

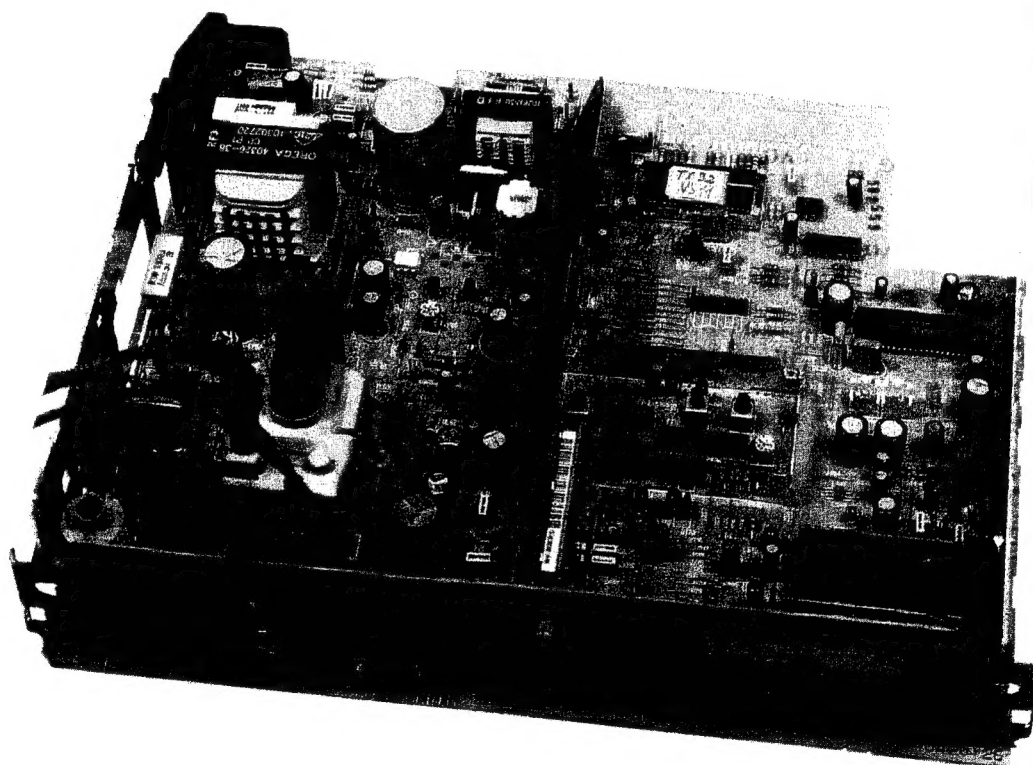


**SERVICE MANUAL  
DOCUMENTATION TECHNIQUE  
TECHNISCHE DOKUMENTATION  
DOCUMENTAZIONE TECNICA  
DOCUMENTACION TECNICA**

**TX92**

TX 92 X Y Z 6A —

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9



**WARNING :** Before servicing this chassis read the safety recommendations.  
**ATTENTION :** Avant toute intervention sur ce châssis, lire les recommandations de sécurité.  
**ACHTUNG :** Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.  
**ATTENZIONE :** Prima di intervenire sullo chassis, leggere le norme di sicurezza.  
**IMPORTANTE :** Antes de cualquier intervención, leer las recomendaciones de seguridad.

**Code : 103.707.40 - 07/95**

⚠ Indicates specially selected or critical safety components and identical components should be used for their replacement. This is necessary in order to maintain the operational safety of the receiver.

Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraîne la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normengerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (marcati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio. In tal caso è "esclusa la responsabilità" del costruttore.

La sustitución de elementos de seguridad (marcados con el símbolo ⚠) por componentes no homologados según la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

## MEASUREMENT CONDITIONS - CONDITIONS DE MESURES - MESSBEDINGUNGEN CONDIZIONI DI MISURA - CONDICIONES DE MEDIDAS

RECEIVER : UHF input level : 1 mV, test bar pattern :

- PAL, 1 standard, 100% white.

Scart input level : 1.00 Vpp, test bar pattern.

Programme PR 01.

Customer controls : Contrast, brightness and colour set at mid point and sound at minimum.

All DC voltages are measured with a digital meter between ground and the reference point.

RICEVITORE : In UHF, livello d'entrata 1 mV, monoscopio per barre :

- PAL, norma G, bianco 100%.

Per la presa SCART, livello d'entrata 1 Vcc, monoscopio per barre :

Colore, Contrasto, Luce a metà corsa, Suono minimo.

Programma designato PR 01.

Tensioni continue rilevate rispetto alla massa con un voltmetro numerico.

RECEPTEUR : En UHF, niveau d'entrée 1 mV mire de barres

- SECAM, Norm L, Blanc 100%.

Par la prise Péritelvision, niveau d'entrée 1 Vcc, mire de barres.

Couleur, contraste, lumière à mi-course, son minimum.

Programme affecté PR 01.

Tensions continues relevées par rapport à la masse avec un voltmètre numérique.

EMPFÄNGER : Bei UHF Eingangssignal 1 mV, Farbbalken :

- PAL, Norm G, Weiss 100%.

Über die Scartbuchse : Eingangssignal 1 Vss, Farbbalken :

Farbe, Kontrast, Helligkeit in der Mitte des Bereichs, Ton auf Minimum.

Zugeordnetes Programm PR 01.

Gleichspannungen mit einem digitalen Voltmeter zur Masse gemessen.

RECEPTOR : En UHF, nivel de entrada 1 mV, mira de barras :

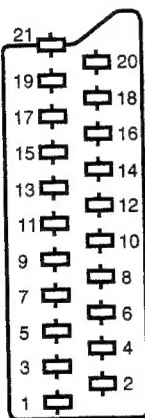
- PAL, norma G, blanco 100%.

Por la toma Peritelvision, nivel de entrada 1 V pp mira de barra.

Color, Contraste, luz a mitad de carrera, Sonido mínimo.

Programa afectado PR 01.

Tensiones continuas marcadas en relación a la masa con un voltímetro digital.



NOTE : **MAIN** ... etc. identifies each pcb module.

NOTE : **MAIN** ... etc. repères des platines constituant l'appareil.

HINWEIS : **MAIN** ... usw.  
Kennzeichnungen der Platinen, aus denen das Gerät zusammengesetzt ist.

NOTA : **MAIN** ... ecc. indicazioni delle piastre che costituiscono l'apparecchio.

NOTA : **MAIN** ... etc. marcas de las placas que constituyen el aparato.

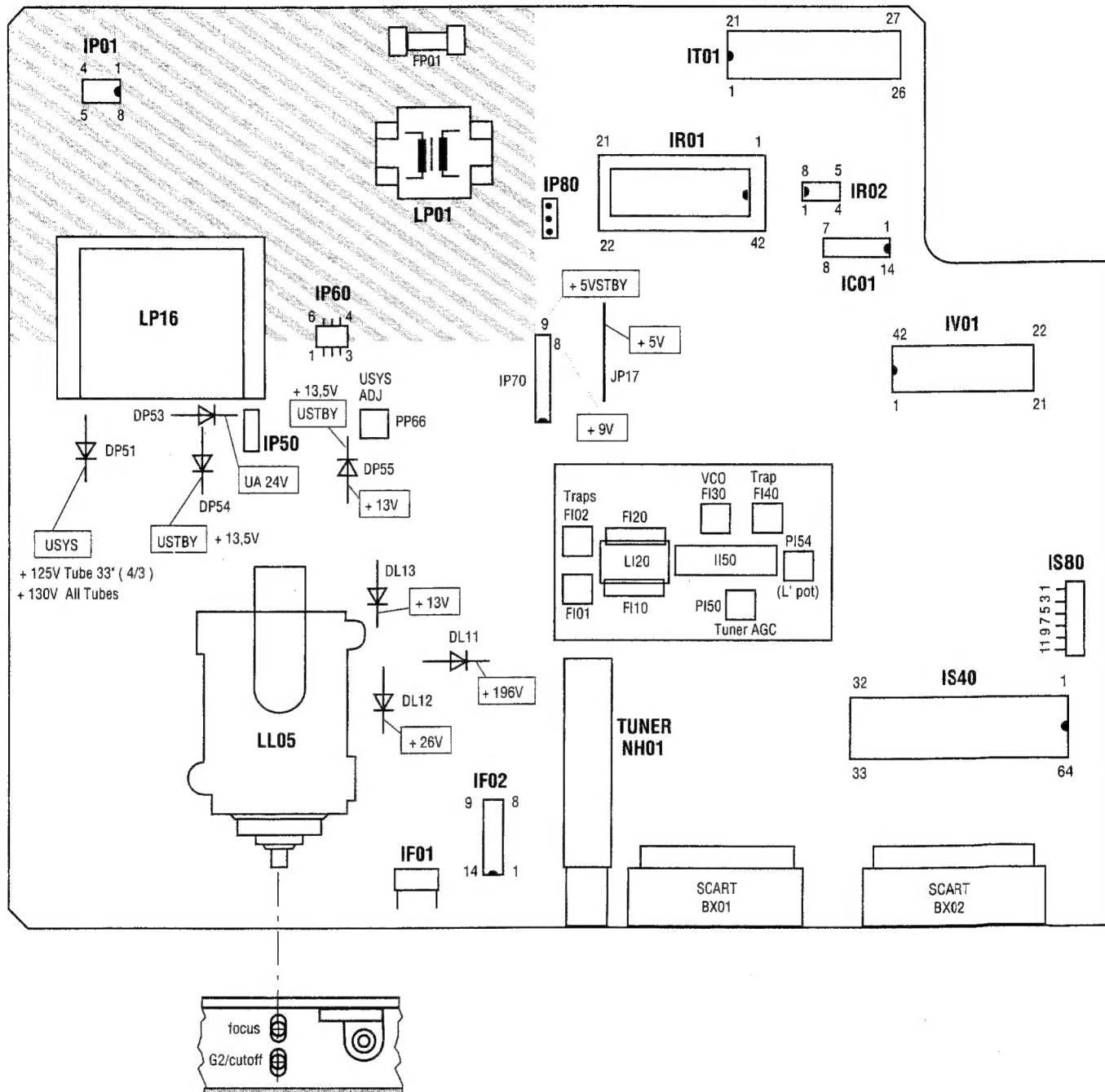
	ENGLISH	FRANÇAIS	DEUTSCH	ITALIANO	ESPAÑOL
1	⊕	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"
2	⊕	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"
3	⊕	AUDIO "L"	AUDIO "G"	AUDIO "L"	AUDIO "S"
4	⊕	AUDIO	AUDIO	AUDIO	AUDIO
5	⊕	"BLUE"	"BLEU"	"BLAU"	"BLU"
6	⊕	AUDIO "L" MONO	AUDIO "G" MONO	AUDIO "L" MONO	AUDIO "S" MONO
7	⊕	"BLUE"	"BLEU"	"BLAU"	BLU
8	⊕	SLOW SWITCH	COMMUT. LENTE	AV UMSCHALTUNG	"COMMUTAZIONE LENTA"
9	⊕	"GREEN"	"VERT"	"GRÜN"	"VERDE"
10	NC				
11	⊕	"GREEN"	"VERT"	"GRÜN"	"VERDE"
12	NC				
13	⊕	"RED"	"ROUGE"	"ROT"	"ROSSO"
14	NC				
15	⊕	"RED"	"ROUGE"	"ROT"	"ROSSO"
16	⊕	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"
17	⊕	VIDEO	VIDEO	VIDEO	VIDEO
18	⊕	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"
19	⊕	VIDEO	VIDEO	VIDEO	VIDEO
20	⊕	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDEO ODER SYNCHRO	VIDEO O SINCRO
21	⊕	PLUG SCREEN BOX	BLINDAGE PRISE	ABSCHIRMUNG DES STECKERS	ARMATURA DELLA SPINA

⊕ : OUTPUT - SORTIE - AUSGANG - USCITA - SALIDA

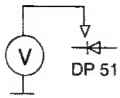
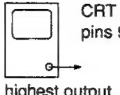
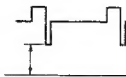


⊕ : INPUT - ENTRÉE - EINGANG - ENTRATA - ENTRADA

⊕ : EARTH - MASSE - MASSE - MASSA - MASA

**LOCATION OF CONTROLS - EMBLACEMENT DES REGLAGES -  
SERVICE LAGEPLAN - POSIZIONE REGOLATORI DI SERVIZIO -  
SITUACIÓN DE LOS AJUSTES**



# ADJUSTMENTS - REGLAGES - EINSTELLUNGEN REGOLAZIONE - AJUSTES

U Sys	PP 66	Contrast, brightness and volume to minimum		125V - Tube 33" (4/3) (A79 ECU 13x41)   JL52  130V - all tubes tous tubes   JL51																
U G2 / cutoff	SCREEN	AV (no Signal, black screen)	 highest output	 <table><tr><td>Tube type</td><td>Cutoff</td></tr><tr><td>A51 ECN</td><td>150V</td></tr><tr><td>AXX EAS</td><td>150V</td></tr><tr><td>AXX ECV</td><td>160V</td></tr><tr><td>A79 ECU</td><td>160V</td></tr><tr><td>W56 EGV</td><td>160V</td></tr><tr><td>W66 EDX</td><td>160V</td></tr><tr><td>W76 EGC</td><td>160V</td></tr></table>	Tube type	Cutoff	A51 ECN	150V	AXX EAS	150V	AXX ECV	160V	A79 ECU	160V	W56 EGV	160V	W66 EDX	160V	W76 EGC	160V
Tube type	Cutoff																			
A51 ECN	150V																			
AXX EAS	150V																			
AXX ECV	160V																			
A79 ECU	160V																			
W56 EGV	160V																			
W66 EDX	160V																			
W76 EGC	160V																			
FOCUS	FOCUS	 Test pattern (standard values)		Sharp picture																

## SERVICE-MODE



## MODE SERVICE



It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Ussystem, Focus and Screen voltages.

### 1. Service Mode Access

- 1.1 With the RCU, switch the TV set into the "Standby" mode.
- 1.2 Switch "Off" the TV set by mains supply switch (wait until LED is dark).
- 1.3 Whilst depressing the RCU "Blue (VT)" button, switch "On" the TV set using the mains supply switch.
- 1.4 Release and press once again the RCU "Blue (VT)" button, the following "Set-Up" menu should be displayed.

SET-UP	VIDEO	GEOM
TX92 WS11		Configuration

**Important :** The Service Mode cannot be entered if any equipment is connected to the Scart socket, i.e. pin 8 switching voltage present.

### 2. Function or Page Selection (GEOM)

- 2.1 With the RCU Volume "+" and "-" buttons, highlight the menu containing the function to be aligned.
- 2.2 Press the RCU "Blue (VT)" button to highlight the function to be aligned, or selected the page (1 or 2).

### 3. Switching between Service and TV modes

- 3.1 Whilst in the Service Mode, normal TV controls are disabled, to enable these controls whilst in the Service Mode (i.e. for channel changing etc.) press the "TV" button on the RCU. To return to the Service Mode, press the "Blue (VT)" button on the RCU.

### 4. Alignment and storing new function value

- 4.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU Volume "+" and "-" buttons.
- 4.2 To STORE the functions new value, highlight **MEMO** and press the RCU Volume "+" button.
- 4.3 To RESTORE the functions original value, highlight **R-STO(RE)** and press the RCU Volume "+" button.
- 4.4 Selection the ROM functions downloads the production software default values, these are not very accurate and should only be used in very special cases.  
Whilst in the "Service-Mode", a long press (more than 3s) of the RCU "0" button, will reset the TV to the "factory default conditions".

### 5. Leaving the Service Mode

- 5.1 To leave the Service mode either, switch the TV set into "Standby" or switch "Off" the mains supply.

Le mode service sert au réglage de l'appareil. Toutes les opérations de réglage s'effectuent à l'aide de la télécommande (sauf la tension de système, les réglages de Focus et de tension de grille-écran).

### 1. Accès au mode service

- 1.1 Commuter le téléviseur en position de veille avec la télécommande
- 1.2 Eteindre le téléviseur par l'interrupteur secteur (attendre l'extinction complète du voyant).
- 1.3 Maintenir la touche bleue enfoncée et mettre simultanément le téléviseur en marche avec l'interrupteur secteur.
- 1.4 Le menu suivant apparait après avoir appuyé à nouveau sur la touche bleue, (VT).

SET-UP	VIDEO	GEOM
TX92WS11		Configuration

**Attention :** Le mode service n'est pas accessible si un appareil est connecté à la prise péritélévision.

### 2. Sélection de la fonction ou de la page (GEOM)

Par les touches +/- de la télécommande vous pouvez choisir le menu correspondant (SET UP, VIDEO ou GEOM) et le "feuilleter" ou la page (1 ou 2) avec la touche bleue (VT).

### 3. Inversion entre modes service et TV

Les fonctions télévision normales ne sont pas utilisables en mode service. Si elles sont nécessaires en mode service (p. ex. changement de programme), la touche (TV) permet de commuter en mode TV. Vous pouvez revenir au mode service en appuyant sur la touche bleue.

### 4. Réglage des fonctions sélectionnées; mémorisation

La valeur momentanée de la fonction sélectionnée est indiquée sous forme hexadécimale à droite, à côté de la position à régler et peut être modifiée avec la télécommande par la touche + ou -.

La ligne MEMO permet de mémoriser les nouvelles valeurs de réglage avec la touche +.

La ligne R-STO(RE) permet de rappeler les valeurs mémorisées en NVM.

Les valeurs par défaut du logiciel peuvent être chargées en sélectionnant la fonction ROM. Elles ne constituent cependant qu'une approximation du réglage et ne doivent être utilisées qu'en cas de nécessité.

En mode service une longue pression (plus de 3s) sur la touche "0" reset le TV aux valeurs par défaut des réglages usine.

### 5. Sortie du mode service

Pour sortir du mode service, commuter le téléviseur en position de veille ou le mettre hors service par l'interrupteur secteur.

## SERVICE-MODE

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Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Systemspannung, Fokuseinstellung und Schirmgitterspannung).

### 1. Service-Mode einschalten

- 1.1 Mit der Fernbedienung das Fernsehgerät in Stand-by schalten.
- 1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
- 1.3 Die blaue Taste der Fernbedienung gedrückt halten und gleichzeitig das Gerät mit dem Netzschalter einschalten.
- 1.4 Das folgende Menü erscheint nach erneutem Drücken der blauen Taste

SET-UP	VIDEO	GEOM
TX92 WS11		Configuration

**Achtung :** Der Service-Mode läßt sich nicht einschalten, wenn an einer Euro-AV-Buchse ein Gerät aktiviert ist, d.h. die Schaltspannung anliegt.

### 2. Funktionswahl oder Seitenwahl (GEOM)

Mit den Tasten +/- wird das entsprechende Menü gewählt, welches mit der blauen Taste "durchgeblättert wird" oder die ausgewählte Seite (1 oder 2).

### 3. Umschalten zwischen Service- und TV-Betrieb

Im Service-Mode sind die normalen Fernsehfunktionen nicht bedienbar. Werden diese im Service-Mode benötigt (z.B. Programmwechsel), kann mit der Taste (TV) in den normalen TV-Betrieb geschaltet werden. Durch Drücken der blauen Taste gelangt man zurück zum Service Mode.

### 4. Abgleich der gewählten Funktion und Speichern

Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste + bzw. - auf der Fernbedienung verändert werden. Die Änderungen des jeweiligen Menüs können unter MEMO mit der + Taste gespeichert, bzw. unter R-STO(RE) rückgängig gemacht werden. Im Menüpunkt ROM kann man die Software-Defaultwerte laden. Sie sind aber nur eine grobe Annäherung an den noch vorzunehmenden Abgleich und sollten nur im Notfall verwendet werden. Im Service-Menü : Durch längeren Druck (mehr als 3 Sek.) wird das Gerät auf die im Werk eingestellten Werte zurückgesetzt.

### 5. Service-Mode verlassen

Zum Verlassen des Service-Mode das Gerät in Stand By schalten oder mit dem Netzschalter ausschalten.

## MODO SERVICIO

E

Se necesita el MODO SERVICIO para ajustar el aparato. Todos los ajustes se hacen con el mando a distancia (a excepción de la tensión del sistema, los ajustes del foco y las tensiones de la rejilla de pantalla).

### 1. Ajustar el MODO SERVICIO

- 1.1 Con el mando a distancia conectar a STANDBY el televisor.
- 1.2 Desconectar el aparato con el interruptor de la red (esperar hasta que el LED se apague).
- 1.3 Mantener pulsada la tecla azul y conectar el aparato simultáneamente con el interruptor de red.
- 1.4 El menú siguiente aparece volviendo a pulsar la tecla azul.

SET-UP	VIDEO	GEOM
TX92 WS11		Configuration

**Atencion :** No se puede conectar el MODO SERVICIO cuando en Eurotoma-AV está activado un aparato, es decir, cuando existe tensión de conexión.

### 2. Selección de las funciones o selección de página (GEOM)

Con las teclas +/- se selecciona el menú correspondiente que "hojea" con la tecla azul o la página seleccionada (1 o 2).

## SERVICE-MODE

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Il Service-Mode è necessario per l'allineamento dell'apparecchio. Tutte le regolazioni si effettuano con il telecomando. (a parte la tensione del sistema, le regolazioni del fuoco e le tensioni della griglia schermo).

### 1. Attivazione del Service-Mode

- 1.1 Commutare il televisore in stand-by con il telecomando.
- 1.2 Spegner l'apparecchio con l'interruttore di rete (attendere finché il LED è spento).
- 1.3 Tenere premuto il pulsante blu e accendere contemporaneamente l'apparecchio con l'interruttore di rete.
- 1.4 Il seguente menu appare non appena si aziona nuovamente il pulsante blu.

SET-UP	VIDEO	GEOM
TX92 WS11		Configuration

**Attenzione :** Il Service-Mode non si può attivare se è attivato un apparecchio collegato alla presa di peritelevisione AV, cioè se è presente la tensione ausiliaria.

### 2. Scelta della funzione o selezione pagina (GEOM).

Con i tasti +/- si seleziona il relativo menu che può "essere sfogliato" con il pulsante blu o selezionata la pagina 1 o 2.

### 3. Commutazione fra funzione Service-Mode e TV

Nella modalità Service-Mode non si possono attivare le normali funzioni televisive. Se occorre richiamarle in Service-Mode (ad es. se si vuole cambiare il programma), si può attivare la normale modalità TV con il pulsante (TV). Premendo il pulsante blu si riattiva il Service-Mode.

### 4. Taratura della funzione scelta e memorizzazione

Il valore momentaneo della funzione scelta viene indicato in formato esadecimale a destra, accanto alla posizione da allineare e può essere cambiato con il pulsante + o - del telecomando. Le modifiche effettuate nel relativo menu si possono memorizzare in MEMO con il pulsante + oppure annullare in R-STO(RE). Nell'opzione di menu ROM si possono caricare i valori di default del software. Essi rappresentano però una taratura approssimativa prima di eseguire quella definitiva e si dovrebbero usare solo in caso di emergenza. Mentre si è nel «Menu Service», una lunga pressione (più di 3s) del tasto «0» riporterà il TV alle «condizioni di default di fabbrica».

### 5. Disattivazione del Service-Mode

Per disattivare il ServiceMode, commutare l'apparecchio in stand-by o spegnerlo con l'interruttore di rete.

### 3. Conmutar entre funcionamiento Servicio y TV

En el MODO SERVICIO las funciones de televisión normales no pueden operarse. Si se necesitan éstas en MODO SERVICIO (p.ej., cambio de programa), con la tecla (TV) puede conmutarse a la operación TV normal. Pulsando la tecla azul se vuelve al MODO SERVICIO.

### 4. Ajuste de la función elegida y almacenamiento

El valor momentáneo de la función elegida es indicado de modo hexadecimal a la derecha, al lado de la posición a ajustar, y puede cambiarse con la tecla + o bien - en el mando a distancia. Los cambios del menú respectivo pueden almacenarse bajo MEMO con la tecla + o bien anular bajo RESTORE. En el punto de menú ROM se pueden cargar los valores por defecto del software. Sin embargo, son sólo una aproximación hasta al ajuste a realizar y deben usarse sólo en caso de emergencia. En modo servicio, si se mantiene pulsada (más de 3 seg.) la tecla «0» toma por defecto los valores de «ajuste en fábrica».

### 5. Salir del MODO SERVICIO

Conmute el aparato a STANDBY a fin de salir del MODO SERVICIO o desconectar con el interruptor de la red.

# TV mono :

SET-UP				
Software code and configuration				
BRAND	1	2	3	NONE
NORM	I	B	BD	BLD BIL
- R-STO	+ MEMO		O ROM	

VIDEO		
R - DC	00 - 3F	24
G - DC	00 - 3F	12
R' - DRV	00 - 3F	1F
G' - DRV	00 - 3F	1E
B - DRV	00 - 3F	1C
PEAK		(-/+)
+ MEMO		
+ R - STORE		- ROM

page 1

GEOM			
V - POS	00 - 1F	0F	
V - AMP	00 - 7F	3F	
V - LIN	00 - 0F	07	
H - PHA	00 - 3F	1F	
H - AMP	00 - 3F	20	

# TV stereo :

SET-UP				
Software code and configuration				
BRAND	1	2	3	NONE
NORM	I	B	BD	BLD BIL
DEC	PR4	On	OFF	

VIDEO					
R - DC	00 - 3F	24			
G - DC	00 - 3F	12			
R' - DRV	00 - 3F	1F			
G' - DRV	00 - 3F	1E			
B - DRV	00 - 3F	1C			
PEAK	(-/+)				
+ R - STORE		- ROM			

page 2

GEOM		
EW - TILT	00 - 1F	10
EW - AMP	00 - 1F	3F
EW - SHP	00 - 0F	07
STORE	(+)	
RESTORE	(+)	
ROM	(+)	

Test Bar pattern used : 4/3 with geometric circle.  
Mire utilisée : 4/3 avec un cercle de géométrie.  
Testbild : 4/3 mit geometrischem Kreis.  
. adjust separate for 4/3 and 16/9 format  
. régler séparément pour les formats 4/3 et 16/9  
. für 4/3 und 16/9 getrennt einstellen  
. regolare separatamente per 4/3 e 16/9  
. ajustar separadamente para 4/3 y 16/9

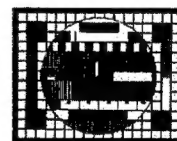
SET-UP	
BRANDT	Brand Selection 1 : TELEFUNKEN 2 : SABA/FERGUSON 3 : THOMSON/ NORDMENDE None : No brand Selected
NORM	Standards B = BG PAL SECAM (Sound FM 5,5MHz) I = I PAL (UK/IRELAND) (Sound FM 6MHz) L = L SECAM (France) (Sound AM 6.5MHz) D = DKK' SECAM (SOUND AM 6.5 MHZ) M = NTSC M (Sound FM 4.5MHz)
DEC PR4 (TX92 stereo)	NICAM From Canal+ decoder NICAM du Decod. Canal+ On : Enable OFF : Disable The special sound path handling for Canal+ on PRO4 Validation NICAM issu du decodeur Canal + (PRO4)

VIDEO			
R - DC*			grau, grey
G - DC*			grau, grey
R - DRV			weiß, white
G - DRV			weiß, white
B - DRV			weiß, white
PEAK			25" : 70V Tube 4/3 Nits 25" FS 420 28" FS 420 25" MP 420 28" MP 350 33" MP 280 Tube 16/9 Nits 24" SF 600 28" MP 480 32"MP 380

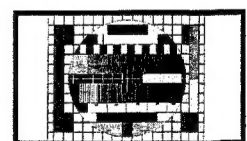
Notes :  
\* adjust separate for PAL/NTSC and SECAM  
\* régler séparément pour PAL/NTSC et SECAM  
\* für PAL/NTSC und SECAM getrennt einstellen  
\* regolare separatamente per PAL/NTSC e SECAM  
\* ajustar separadamente para PAL/NTSC y SECAM

GEOM			
V - Pos			
V - Amp			
V - Lin			
H - PHA			
H - AMP			

TUBE 4/3



TUBE 16/9



Display mode : 4/3  
Overscan : V = 107%  
H = 107%

Display mode : 4/3  
Overscan : V = 107%  
H = 75%

EW - TILT		
EW - AMP		
EW - SHP		

# Software Code :

Software Release Code	Description
TX92NS11	TX92 Stereo (4/3) Software Rel 11
TX92WS11	TX92 Stereo (16/9) Software Rel 11
TX92NM11	TX92 Mon (4/3) Software Rel 11

# TV Configuration :

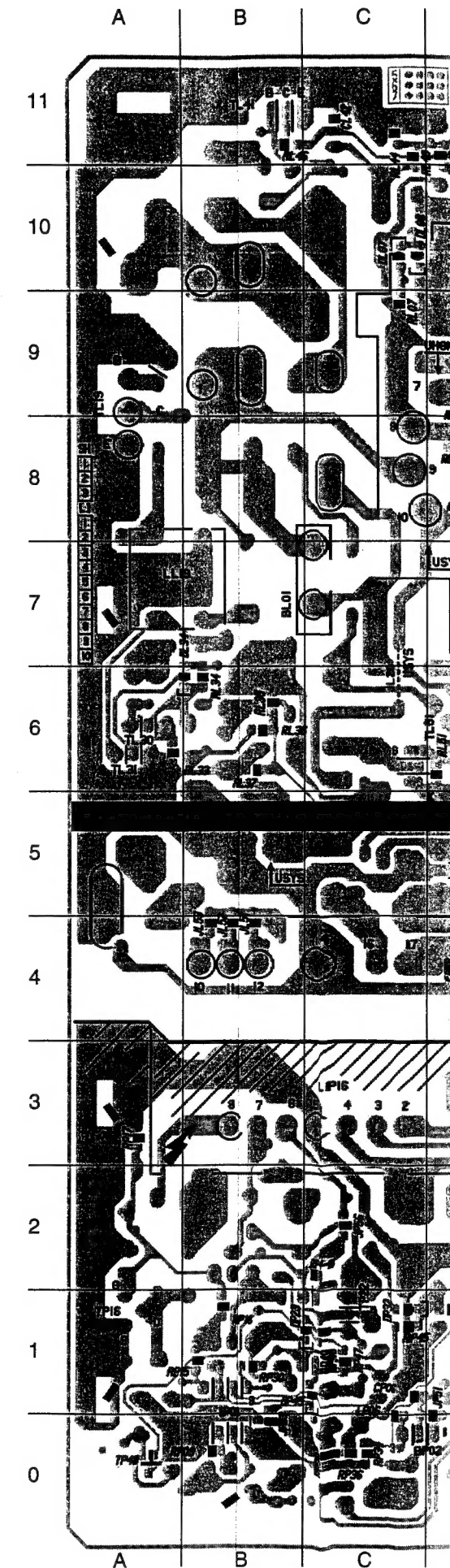
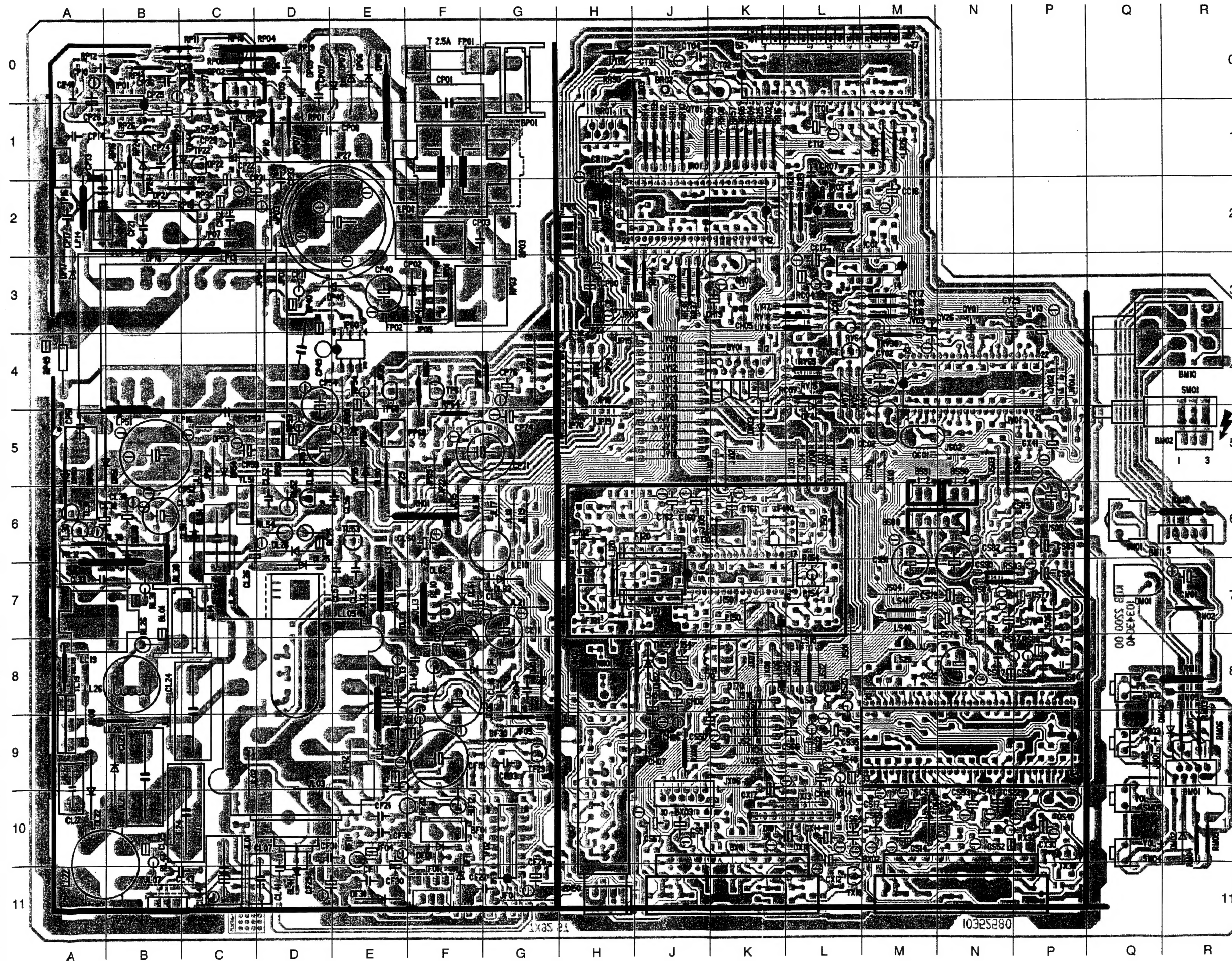
T	TEXT MODULE
S	STEREO MODULE



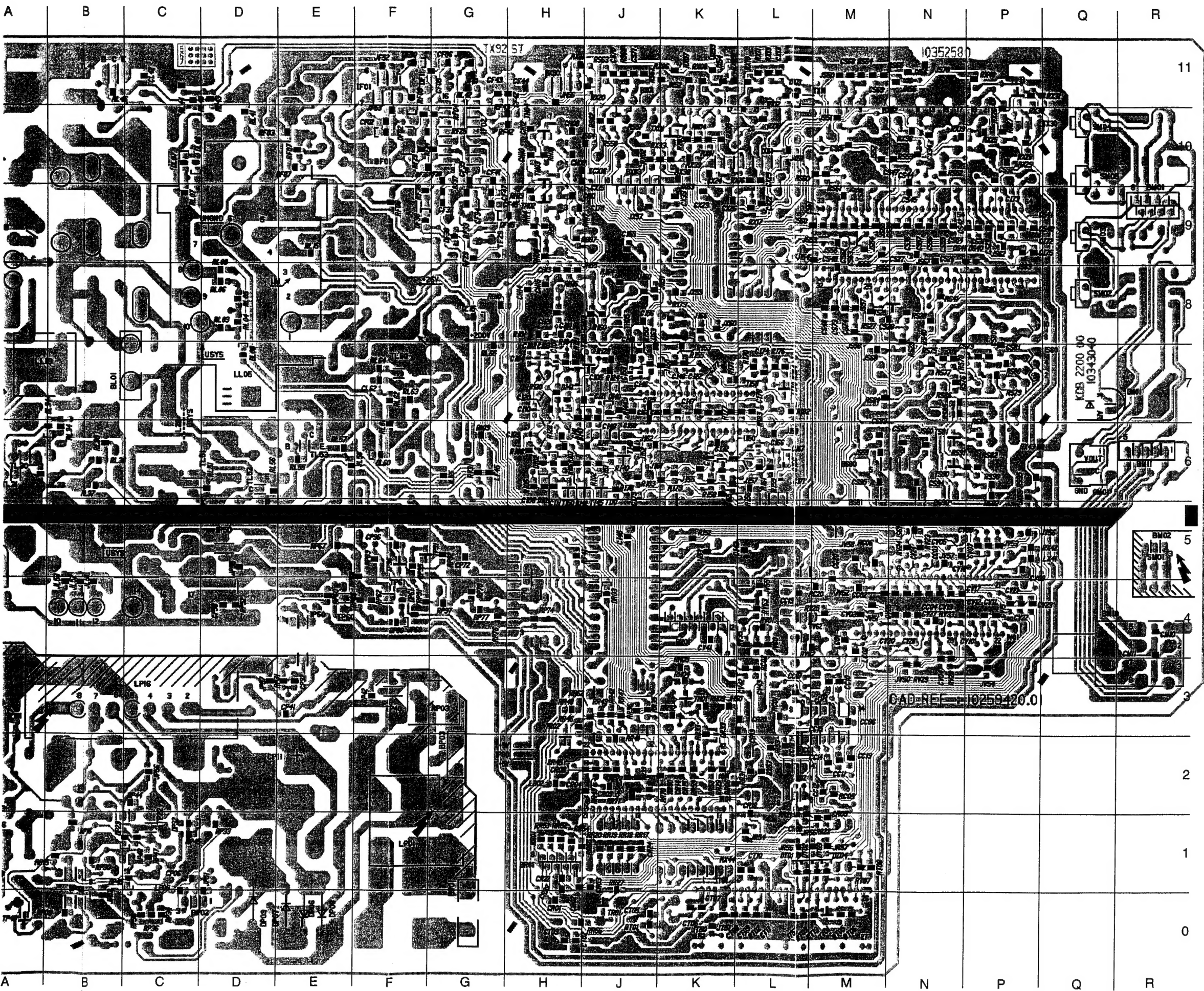
# MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL

COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES

SOLDER SIDE - CÔTE SOUDURES - LÖT







123									
BF01	F10	CI21*	H7	CP57	D5	CT07*	K0		
BF01*	F10	CI22*	K7	CP58*	D4	CT08*	K0		
BL01	B7	CI25*	J7	CP59	C5	CT09*	L0		
BL01*	B7	CI32*	K6	CP71	G5	CT10*	L1		
BM01	R9	CI40*	J6	CP72*	G5	CT11*	L0		
BM02	R5	CI41*	H6	CP74	G5	CT12	L1		
BM11	R6	CI43*	K5	CP76	G4	CT13*	L0		
BP01	G1	CI45*	J5	CP80	H3	CV01	P5		
BP01*	G0	CI46*	J7	CP81	H3	CV02	M4		
BP02	C0	CI47*	K7	CP96*	F5	CV03*	M4		
BP02*	C0	CI48*	K7	CR01*	H0	CV04*	N3		
BP03	G2	CI49*	J8	CR02*	H1	CV05*	N5		
BP03*	G1	CI50*	J6	CR03*	J1	CV06*	N5		
BR01	H1	CI52*	J7	CR04*	H2	CV07*	P5		
BR01*	H1	CI53*	J7	CR05*	M1	CV09*	P5		
BR02	J0	CI54	J8	CR06*	L1	CV10*	N4		
BS80	M6	CI55*	J9	CR07	L1	CV11*	P4		
BS80*	M6	CI56*	J8	CR08*	H2	CV12*	P4		
BS90	N5	CI60	J6	CR09*	J2	CV13	P3		
BS90*	N6	CI61	K6	CR11	H1	CV15*	P4		
BS91	M5	CI62	J6	CR14*	K2	CV17*	P4		
BS91*	M6	CI63*	J7	CR15*	K2	CV18*	N5		
BV01	K4	CI64*	K6	CR17*	J2	CV20*	M4		
BV01*	K4	CI65*	K6	CR18*	L2	CV21*	P4		
BX01	K10	CI66*	L6	CR19*	L2	CV22*	P4		
BX01*	J11	CI67*	L6	CR20*	L3	CV23*	P4		
BX02	M10	CI68*	L6	CR22*	H1	CV24*	N5		
BX02*	M11	CI70*	H9	CR23*	H1	CV25*	N4		
BX03	J10	CI71*	L6	CR24*	J1	CV26	N3		
BX03*	J10	CI72*	P9	CS14	M10	CV27*	N4		
BX50	H11	CI73*	P9	CS15*	M10	CV28*	N4		
BX50*	H11	CI74*	L7	CS16*	M9	CV29	P3		
		CI75*	P9	CS17	M10	CV42*	L3		
		CI77*	K7	CS18	M10	CV43*	L3		
		CI78*	L7	CS22	P10	CV44*	L11		
		CI79*	J6	CS23*	P9	CV45*	L11		
		CL07	D10	CS25	M8	CV46*	L10		
		CL10	E9	CS26*	N9	CV47*	H10		
		CL11	G7	CS27*	N9	CV48*	H10		
		CL12	F8	CS28*	M8	CV49*	K10		
		CL13	F8	CS31*	P9	CV50*	L10		
		CL14	F8	CS32*	P10	CV51*	L10		
		CL16	G8	CS35	L9	CV52*	L9		
		CL21	B9	CS36*	N9	CV53*	K9		
		CL22	A10	CS39*	M9	CV54*	K10		
		CL24	B8	CS40*	P9	CV55*	L10		
		CL25	B10	CS41*	P9	CV56*	K9		
		CL26	C7	CS42*	N9	CV57*	P10		
		CL30	C6	CS43	N10	CV58*	K9		
		CL32	B6	CS44*	N10	CV59*	N10		
		CL33	A7	CS45*	N9	CV60*	K9		
		CL38	B6	CS46	N10	CV61*	N4		
		CL41	D11	CS47*	M10	CV62*	K4		
		CL42*	C11	CS48*	M8				
		CL43	B11	CS49*	M9				
		CL44	C11	CS50	J9				
		CL51	C6	CS51	J10				
		CL52	D5	CS52	N10				
		CL54	E7	CS53	N10				
		CL56	E6	CS54*	N9				
		CL57	E7	CS55*	N9				
		CL60	F6	CS56*	N9				
		CL61	G7	CS57*	N9				
		CL62*	F7	CS60*	L9				
		CM01	R7	CS61*	L9				
		CM10*	R4	CS62*	M9				
		CM11*	R4	CS63*	M9				
		CP01	F0	CS64	L10				
		CP02	F2	CS65	M10				
		CP03	F2	CS66	L9				
		CP06*	C1	CS67	J10				
		CP07	D0	CS68*	M11				
		CP08	E1	CS69*	M11				
		CP09	D0	CS70*	J11				
		CP10	A0	CS71*	J11				
		CP11	D3	CS73*	M8				
		CP11*	E2	CS74*	M8				
		CP12	C2	CS75	N7				
		CP13	A1	CS76	N7				
		CP14	A1	CS77	P7				
		CP17	A2	CS78	P7				
		CP21	B2	CS79*	P7				
		CP22	C1	CS80*	P8				
		CP24	B1	CS81*	P7				
		CP25	B0	CS82	N6				
		CP26	A1	CS83	P6				
		CP29	C1	CS84	P7				
		CP31	D2	CS85	P6				
		CP32*	E3	CS87	N8				
		CP33	D2	CS88	P7				
		CP36	B0	CS90	N7				
		CP37	C0	CS91	M6				
		CP38	C0	CS92*	N6				
		CP40	E3	CS93*	M7				
		CP41*	E3	CS94*	N6				
		CP45	C1	CS95*	M6				
		CP48	A0	CT01	J0				
		CP49	D4	CT02*	H0				
		CP51	A5	CT03*	H0				
		CP52	C6	CT04	J0				
		CP53	C5	CT05*	J0				
		CP54	D4	CT06*	K0				

II

CC02*	M4
CC03*	N5
CC04*	N4
CC05*	M3
CC07*	L3
CC10*	M3
CC11*	M2
CC12*	M2
CC13*	M2
CC14*	M2
CC15*	M3
CC16*	M2
CC17	L2
CC18*	L2
CC19*	L4
CC20*	M5
CC06*	M3
CF02*	F10
CF05*	F11
CF06*	F11
CF11	E11
CF15	F9
CF21	E10
CF27	F11
CF28	G10
CF29	D11
CF30	E11
CF31	D10
CF32	E10
CF33	G9
CF34*	G9
CF37*	G9
CF39*	G10
CF42*	G11
CF43*	G11
CF44*	H11
CF45*	G9
CF46*	G11
CF47*	G9
CH01	J8
CH02	J8
CH04	G8
CH05	K3
CH06	J9
CH07	J9
CH08*	H10
CH09*	H10
CH10*	H10
CH11*	H9
CH12*	H10
CH13*	H8
CH14*	H8
CH15*	H8
CH19	K3
CH20*	H8
CI01*	H8
CI02*	H7
CI03*	H7
CI04*	H7
CI05*	J7
CI07*	H7
CI08*	H6
CI09*	H6
CI10*	H7
CI11*	H6
CI20*	H7

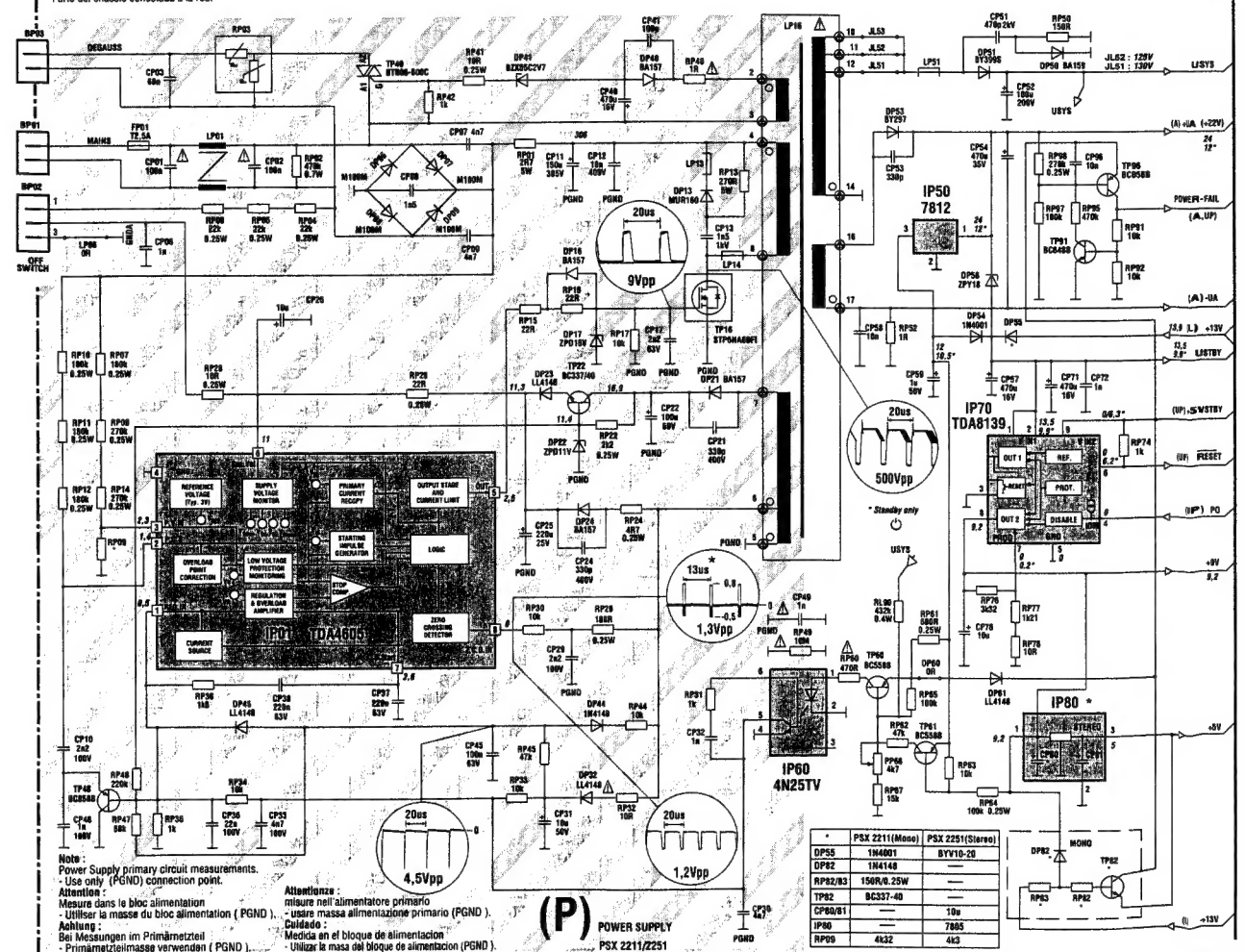
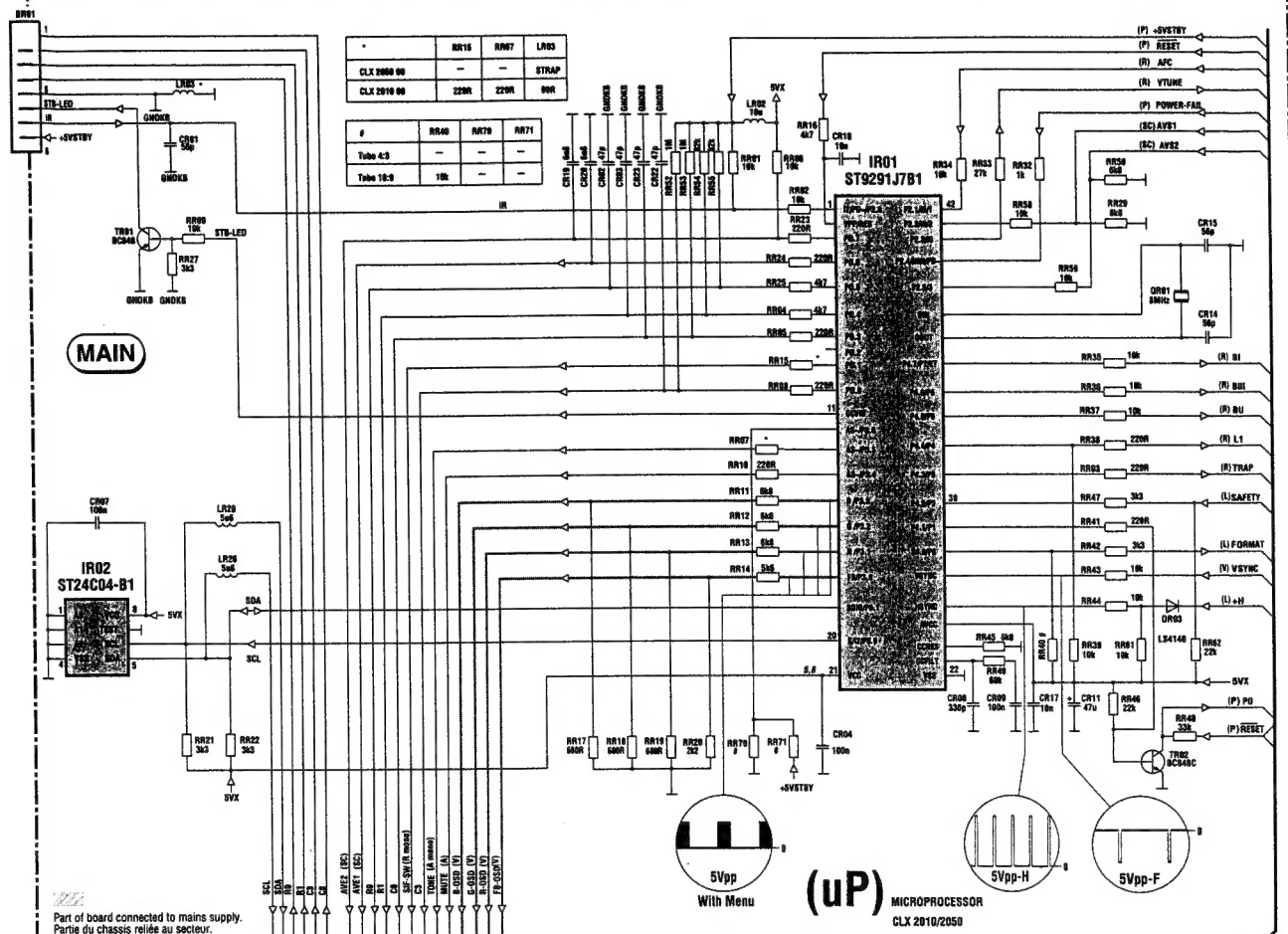


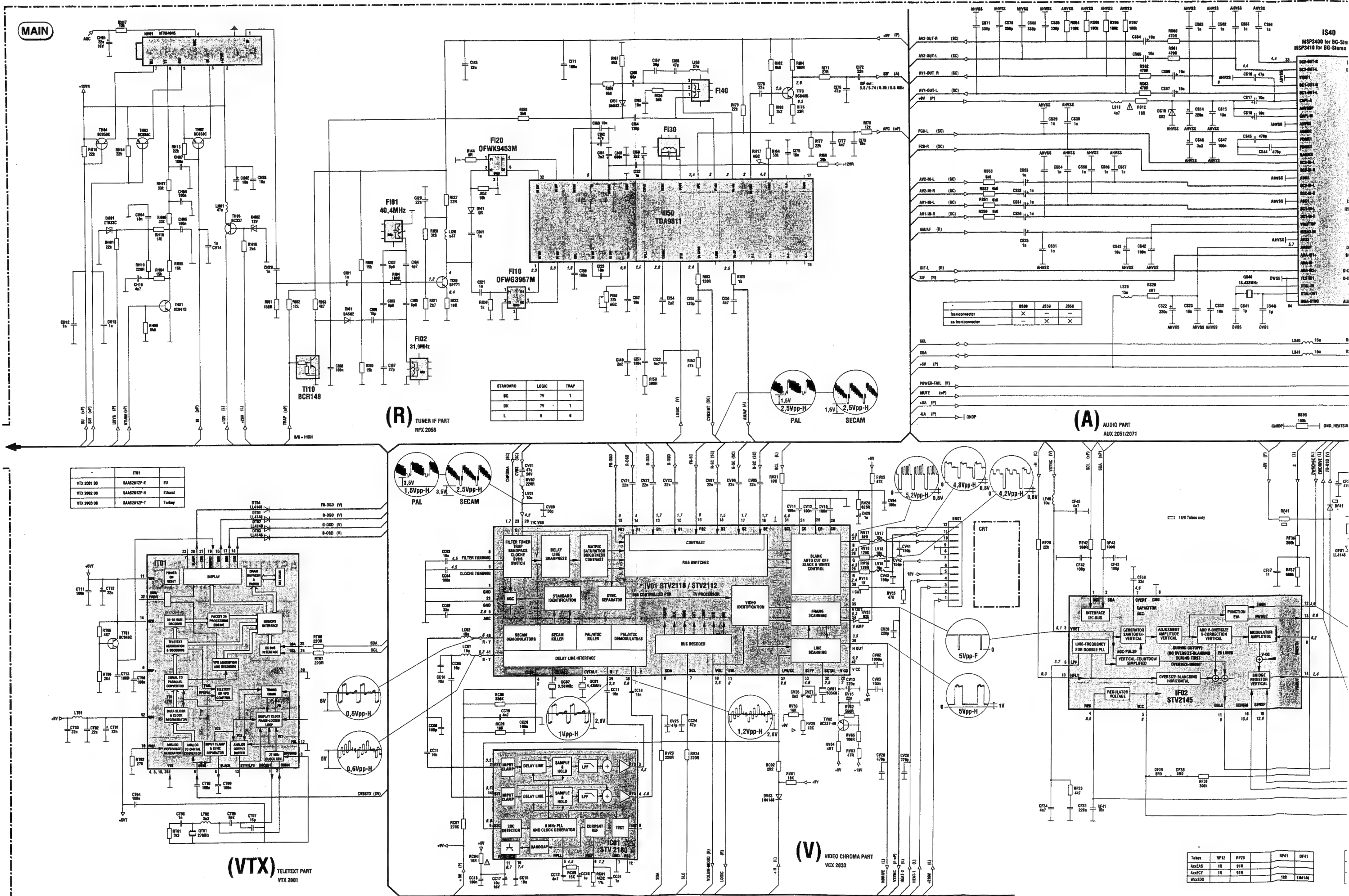
# COMPONENTS LOCATION - LOCALISATION DES ELEMENTS - LAGE DER BAUTEILE LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTES

\* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE

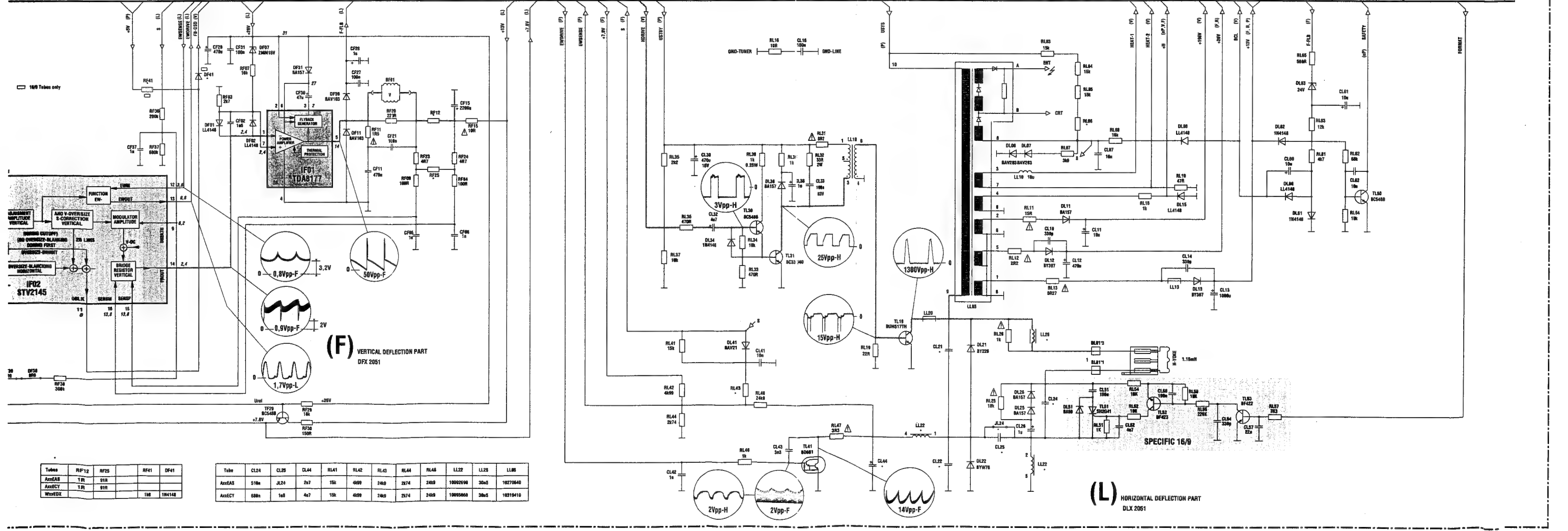
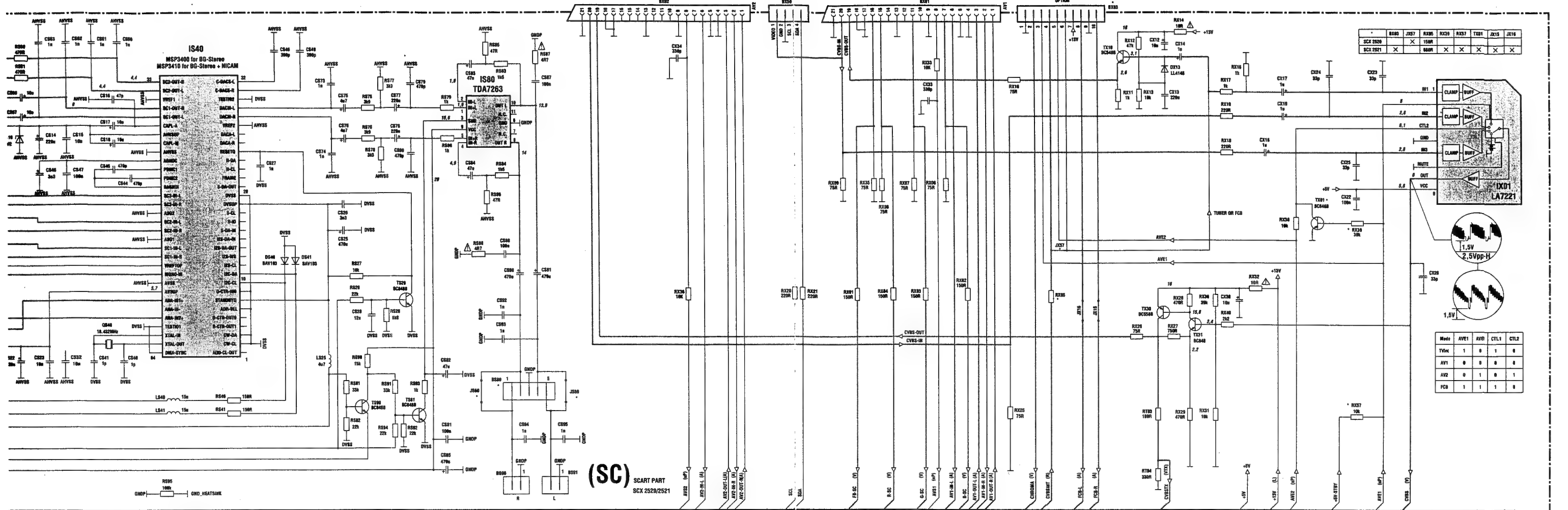
DF01 F10	II07 L5	JP16 H4	JX06 K9	RF25* G10	RL57* E6	RR25 K1	RV62* L4
DF02* F10	II50 K7	JP17 H4	JX07 K8	RF28* G10	RL61* F6	RR27* J1	RV63* L4
DF07* E10	II50* L6	JP18 H4	JX08 K8	RF29* G9	RL62* F7	RR29* K2	RV64 L4
DF11* F11	IP01 B0	JP19 H5	JX09 M5	RF30 G9	RL63* F7	RR31* K2	RV65 L4
DF30* F11	IP01* B1	JP20 J4	JX10 M5	RF33* G9	RL64* F7	RR32* K3	RV66 L4
DF31 E11	IP50 D5	JP21 J4	JX11 L5	RF36* F10	RL65* G7	RR33* K3	RV67* K10
DF38* F9	IP50* D5	JP22 F5	JX13 L10	RF37* G9	RL90 E5	RR34* K3	RV68* K10
DF39* G9	IP60 E4	JP23 H3	JX14 L5	RF38* F10	RM01 R9	RR35* J3	RV69* K10
DF41 L5	IP60* E4	JP24 H4	JX15 K9	RF41* H5	RM02 R7	RR36* J3	RV70* J9
DF45* G9	IP70 H5	JP27 E1	JX16 K9	RF42* G10	RM03 R9	RR37 J3	RV71* K11
DH01 G8	IP70* H4	JP28 G4	JX52* J11	RF43* G11	RM04 R10	RR38 J3	RV72* K11
DH02 J8	IR01 J1	JP29 E5	JX53* K11	RH01 F6	RM05 R10	RR39* J2	RV73* K11
DI01* H6	IR01* K2	JP30 E5	JX54* K11	RH04* K3	RM06 R11	RR40* J2	RV74* K11
DI02* H6	IR02 L2	JP35 E4	JX55* N11	RH05* K3	RM10 R6	RR41* J2	RV75* L11
DI40* J7	IR02* L2	JP51* C1	JX56* N11	RH06* H9	RM11 R8	RR42* J3	RV76* L11
DI41* H7	IS40 L9	JP53* B0	JX57* J9	RH07* H9	RP01 D1	RR43* J3	RV77* L11
DI51* K6	IS40* P8	JP55* D5	JX58* L10	RH09* K3	RP02 E0	RR44 J3	RV78* L10
DL06* C10	IS80 P7	JP56* C2	JX59* K8	RH10* G8	RP03 G3	RR45* H2	RV79* L10
DL07* C10	IS80* P7	JP57* D3	JX60* K8	RH13* H10	RP03* G3	RR46* H2	RV80* L9
DL08* D7	IT01 L1	JP60* F4	JX63* K10	RH14* H9	RP04 D0	RR47* J3	RV81* L10
DL11 F8	IT01* K1	JR01 H2	JX65* P6	RH15* H10	RP05 C0	RR48* H3	RV82* N10
DL12 E8	IV01* P4	JR02 H2		RH16* H8	RP06 D0	RR49* J2	RV83* H11
DL13 E7	IX01 K10	JR03 H3		RH17* H9	RP07 D1	RR50* K2	RV84* H11
DL15* G8		JR08 H4		RH19* G6	RP08 C0	RR52* H1	RV85* P10
DL21 B10		JR53* L2		RI01* H8	RP09* B0	RR53* H1	RV86* P11
DL22 A10		JR54* L1		RI02* J6	RP10 D1	RR54* H1	RV87* P10
DL25 D7		JR55* L1		RI03* J6	RP11 C0	RR55* H1	RV88* P10
DL26 D6		JR56* L1		RI04* H7	RP12 A0	RR56* H0	RV89* P10
DL34* A7	JC01 L3	JR57* M1		RI05* H6	RP13 C2	RR57 K1	RV90* P10
DL38 B6	JF01* F11	JS01 L8		RI06* H6	RP14 B0	RR58* K2	RV91* P11
DL41 D11	JF02 E9	JS02 N5		RI07* H6	RP15* B1	RR59* K2	RV92* P10
DL51 C6	JF04 E10	JS03 N5		RI08* H6	RP16* B1	RR61 H3	RV93* J10
DL60* F6	JF05 G9	JS04 M7		RI17* K7	RP17* A3	RR62* H3	RV94* K10
DL61 F7	JF06 G8	JS05 P6		RI20* H7	RP18 C0	RR70* J2	RV95* N10
DL62 F7	JF08 G8	JS06 P7		RI21* H7	RP19 D0	RR71* J2	RV96* K10
DL63 G7	JF50* G11	JS07 N7		RI22* H6	RP22 C2	RR90 H0	RV97* K10
DP06 E0	JF51* G11	JS08 N7		RI23* J7	RP24 B1	RS12 L9	RV98* P11
DM01 Q7	JF52* F11	JS12 L8		RI24* J7	RP26 B1	RS20 L8	RV99* L2
DM02 R11	JF53* F11	JS14 L8		RI41* J6	RP28 C1	RS27* M8	
DM03 R9	JH02 H8	JS15 L8		RI42* H6	RP29 B1	RS28* N8	
DP06* E0	JH50* K3	JS16 K8		RI43* H6	RP30* B1	RS29* N8	
DP07 E0	JH51* J8	JS17 K8		RI44* J7	RP31* D3	RS40* N8	
DP07* E0	JH52* H9	JS18 K9		RI50* J7	RP32 C2	RS41* N8	
DP08 E0	JH55* H11	JS21 K9		RI52* K5	RP33* D1	RS50* J10	
DP08* E0	JH56* H11	JS21 K9		RI53* K7	RP34* C0	RS51* J10	
DP09* D0	JH57* M10	JS50* M11		RI54 L7	RP36* C0	RS52* N10	
DP09* D0	JH58* M10	JS51* M10		RI55* K7	RP38* C0	RS53* N10	
DP13 B2	JH59* M9	JS52* M10		RI56* L6	RP40 D3	RS60* J10	
DP16 B1	JH60* M9	JS53* M9		RI58* K6	RP41 F3	RS61* M10	
DP17 A3	JH61* M9	JS54* M9		RI59* L6	RP42* F3	RS62* J10	
DP21 B2	JH62* M9	JS55* M9		RI60* J8	RP44* C2	RS63* J11	
DP22 C1	JH63* M9	JS56* M9		RI61* L6	RP45* C1	RS64* M11	
DP23* B1	JH64* M9	JS57* M8		RI62* J8	RP47* C1	RS65* N11	
DP24 B1	JH65* M8	JS58* M8		RI70* L7	RP48* C1	RS66* J11	
DP32* C1	JH66* M8	JS59* M6		RI71* K7	RP49 A4	RS67* J11	
DP40 D3	JH67* M6	JS60* N6		RI73* K8	RP50 A5	RS75* N7	
DP41 C3	JH68* M6	JS61* N5		RI76* L7	RP52* D4	RS76* N7	
DP44 E1	JH69* M6	JS62* P9		RI77* J6	RP53 D5	RS77* N7	
DP45* B1	JH70* M6	JS63* P9		RI79* K6	RP54 E4	RS78* N7	
DP50 A5	JH71* M6	JS64* H10		RI82* L7	RP56* E4	RS79* P7	
DP51 B5	JH72* M6	JS65* M9		RI83* L7	RP61 F4	RS80* P7	
DP53 C5	JH73* M6	JS66* M9		RI84* L7	RP62* F4	RS81* M7	
DP54 C5	JH74* M6	JS67* N9		RI85* L7	RP63* F5	RS82* P6	
DP55 E5	JH75* M6	JS68* M7		RI86* L7	RP64 F5	RS83 N7	
DP56 E5	JH76* M6	JS69* M7		RI87* L7	RP65* E4	RS84 N7	
DP60* F4	JH77* M6	JS70* N11		RI88* L7	RP66* E5	RS85* N7	
DP61* F4	JH78* M6	JS71* K0		RI89* L7	RP67* E5	RS86* N7	
DR03* J4	JH79* M6	JS72* L0		RI90* L7	RP71* H4	RS87 P7	
DS10 N10	JH80* M6	JS73* L0		RI91* L7	RP76* G4	RS88 P7	
DS41* N9	JH81* M6	JS74* L0		RI92* L7	RP77* G4	RS90* P6	
DT01* L1	JH82* M6	JS75* L0		RI93* L7	RP78* G4	RS91* N6	
DT02* L1	JH83* M6	JS76* L0		RI94* L7	RP91* F4	RS92* P6	
DT03* M1	JH84* M6	JS77* L0		RI95* L7	RP92* G5	RS93* P6	
DT04* M1	JH85* M6	JS78* L0		RI96* L7	RP95* F5	RS94 P5	
DV03 K5	JH86* M6	JS79* L0		RI97* L7	RP97* G4	RS95* P6	
DX13* L11	JH87* M6	JS80* L0		RI98* L7	RP98 G4	RT01* J0	
	JH88* M6	JS81* L0		RI99* L7	RR01* H1	RT02* L0	
	JH89* M6	JS82* L0		RI00* L7	RR02 K1	RT03* P6	
	JH90* M6	JS83* L0		RI01* L7	RR03 J3	RT05* M0	
	JH91* M6	JS84* L0		RI02* L7	RR04 K1	RT06* M0	
	JH92* M6	JS85* L0		RI03* L7	RR05 K1	RT07* M1	
	JH93* M6	JS86* L0		RI04* L7	RR06* K2	RT08* M1	
	JH94* M6	JS87* L0		RI05* L7	RR08 K1	RT09* L0	
	JH95* M6	JS88* L0		RI06* L7	RR09 K1	RV01* L4	
	JH96* M6	JS89* L0		RI07* L7	RR10 J1	RV02* P5	
	JH97* M6	JS90* L0		RI08* L7	RR11 J1	RV15 L4	
	JH98* M6	JS91* L0		RI09* L7	RR12 J1	RV16 M3	
	JH99* M6	JS92* L0		RI10* L7	RR13 J1	RV17 M3	
	JH00* M6	JS93* L0		RI11* L7	RR14 J1	RV18 K3	
	JH01* M6	JS94* L0		RI12* L7	RR16 K1	RV23* N5	
	JH02* M6	JS95* L0		RI13* L7	RR17* J1	RV24* N5	
	JH03* M6	JS96* L0		RI14* L7	RR18* J1	RV25* L4	
	JH04* M6	JS97* L0		RI15* L7	RR19* J1	RV28* N3	
	JH05* M6	JS98* L0		RI16* L7	RR20* J1	RV29* N3	
	JH06* M6	JS99* L0		RI17* L7	RR21* L1	RV30 M4	
	JH07* M6	JS00* L0		RI18* L7	RR22* M1	RV31* G6	
	JH08* M6	JS01* L0		RI19* L7	RR23 L2	RV33* N4	
	JH09* M6	JS02* L0		RI20* L7	RR24 L2	RV35* L4	
	JH10* M6	JS03* L0		RI21* L7			
	JH11* M6	JS04* L0		RI22* L7			
	JH12* M6	JS05* L0		RI23* L7			
	JH13* M6	JS06* L0		RI24* L7			
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	JH21* M6	JS14* L0		RI32* L7			
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	JH23* M6	JS16* L0		RI34* L7			
	JH24* M6	JS17* L0		RI35* L7			
	JH25* M6	JS18* L0		RI36* L7			
	JH26* M6	JS19* L0		RI37* L7			
	JH27* M6	JS20* L0		RI38* L7			
	JH28* M6	JS21* L0		RI39* L7			
	JH29* M6	JS22* L0		RI40* L7			
	JH30* M6	JS23* L0		RI41* L7			
	JH31* M6	JS24* L0		RI42* L7			
	JH32* M6	JS25* L0		RI43* L7			
	JH33* M6	JS26* L0		RI44* L7			
	JH34* M6	JS27* L0		RI45* L7			
	JH35* M6	JS28* L0		RI46* L7			
	JH36* M6	JS29* L0		RI47* L7			
	JH37* M6	JS30* L0		RI48* L7			
	JH38* M6	JS31* L0		RI49* L7			
	JH39* M6	JS32* L0		RI50* L7			
	JH40* M6	JS33* L0		RI51* L7			
	JH41* M6	JS34* L0		RI52* L7			
	JH42* M6	JS35* L0		RI53* L7			
	JH43* M6	JS36* L0		RI54* L7			
	JH44* M6	JS37* L0		RI55* L7			
	JH45* M6	JS38* L0		RI56* L7			
	JH46* M6	JS39* L0		RI57* L7			
	JH47* M6	JS40* L0		RI58* L7			
	JH48* M6	JS41* L0		RI59* L7			
	JH49* M6	JS42* L0		RI60* L7			
	JH50* M6	JS43* L0		RI61* L7			
	JH51* M6	JS44* L0		RI62* L7			
	JH52* M6	JS45* L0		RI63* L7			
	JH53* M6	JS46* L0		RI64* L7			
	JH54* M6	JS47* L0		RI65* L7			
	JH55* M6	JS48* L0		RI66* L7			
	JH56* M6	JS49* L0		RI67* L7			
	JH57* M6	JS50* L0		RI68* L7			
	JH58* M6	JS51* L0		RI69* L7			
	JH59* M6	JS52* L0		RI70* L7			
	JH60* M6	JS53* L0		RI71* L7			
	JH61* M6	JS54* L0		RI72* L7			
	JH62* M6	JS55* L0		RI73* L7			
	JH63* M6	JS56* L0		RI74* L7			
	JH64* M6	JS57* L0		RI75* L7			
	JH65* M6	JS58* L0		RI76* L7			
	JH66* M6	JS59* L0		RI77* L7			
	JH67* M6	JS60* L0		RI78* L7			
	JH68* M6	JS61* L0		RI79* L7			
	JH69* M6	JS62* L0		RI80* L7			
	JH70* M6	JS63* L0		RI81* L7			
	JH71* M6	JS64* L0		RI82* L7			
	JH72* M6	JS65* L0		RI83* L7			
	JH73* M6	JS66* L0		RI84* L7			
	JH74* M6	JS67* L0		RI85* L7			
	JH75* M6	JS68* L0		RI86* L7			
	JH76* M6	JS69* L0		RI87* L7			
	JH77* M6	JS70* L0		RI88* L7			
	JH78* M6	JS71* L0		RI89* L7			
	JH79* M6	JS72* L0		RI90* L7			
	JH80* M6	JS73* L0		RI91* L7			
	JH81* M6	JS74* L0		RI92* L7			

**MICROPROCESSOR / POWER SUPPLY - MICROPROCESSEUR / ALIMENTATION -  
MIKROPROZESSOR / NETZTEIL - MICROPROCESSORE / ALIMENTAZIONE - MICROPROCESADOR / ALIMENTACION**

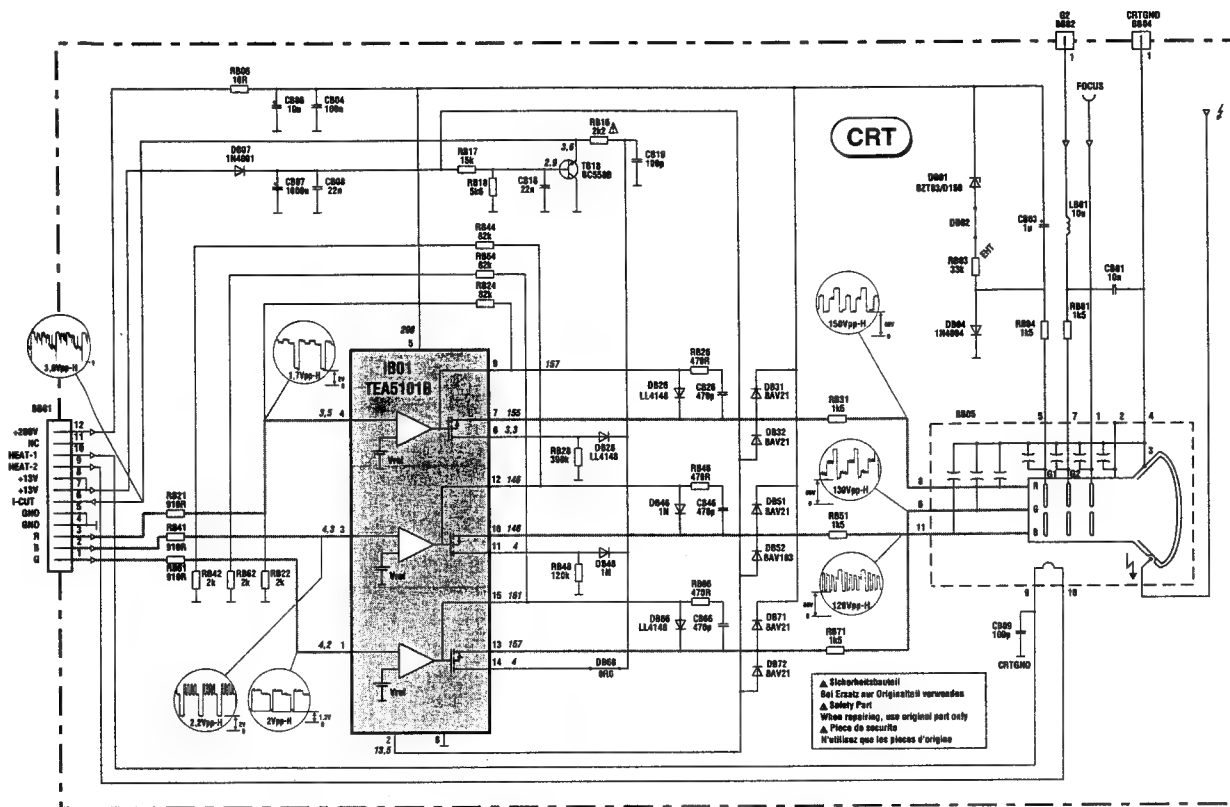




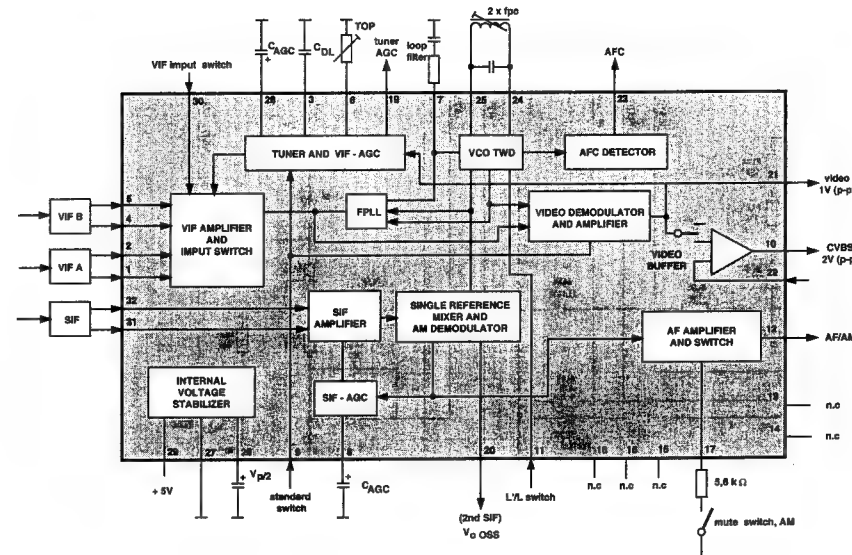




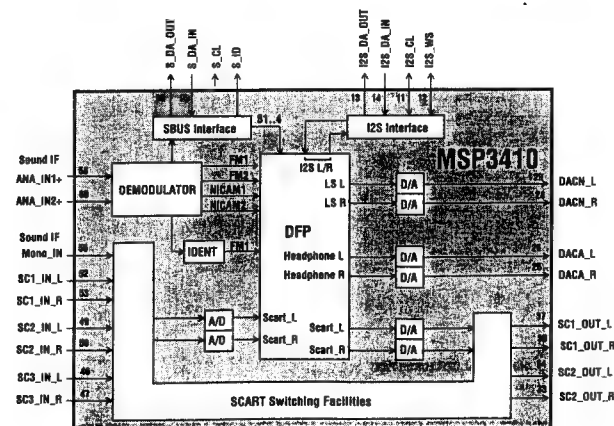
VIDEO AMPLIFIER - AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKER -  
AMPLIFICATORE VIDEO - AMPLIFICADOR VIDEO



TDA9811 BLOCK DIAGRAM  
MULTISTANDARD VIF - PLL WITH QSS-IF AND AM DEMODULATOR



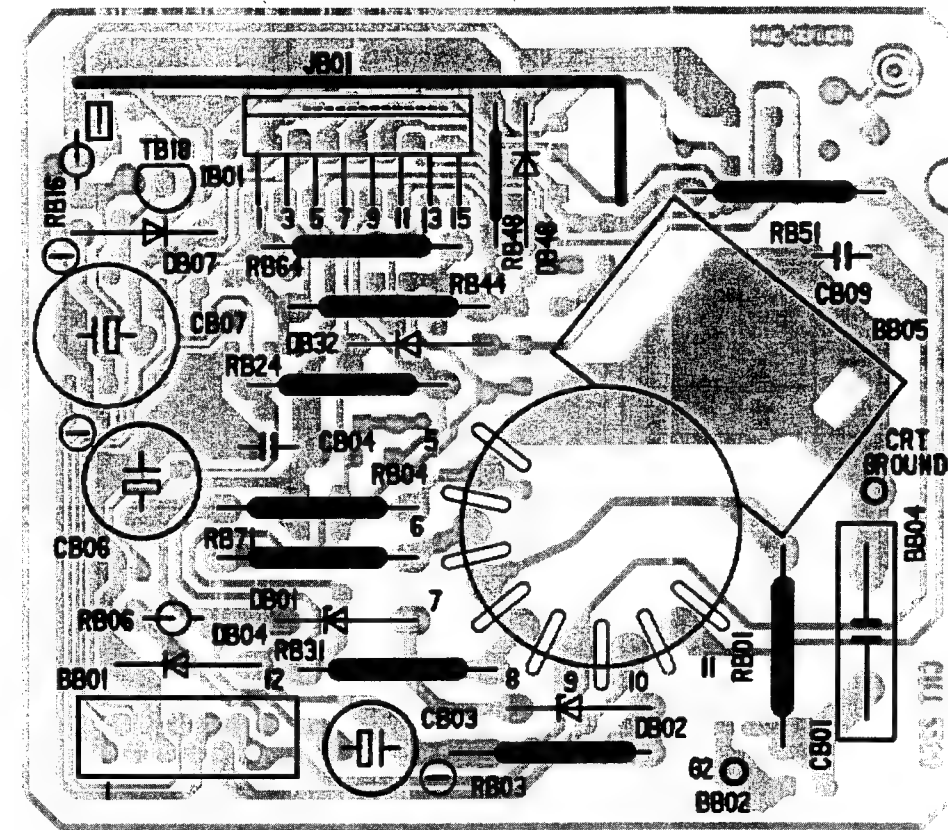
MSP3400 / MSP3410 BLOCK DIAGRAM SOUNDPROCESSOR



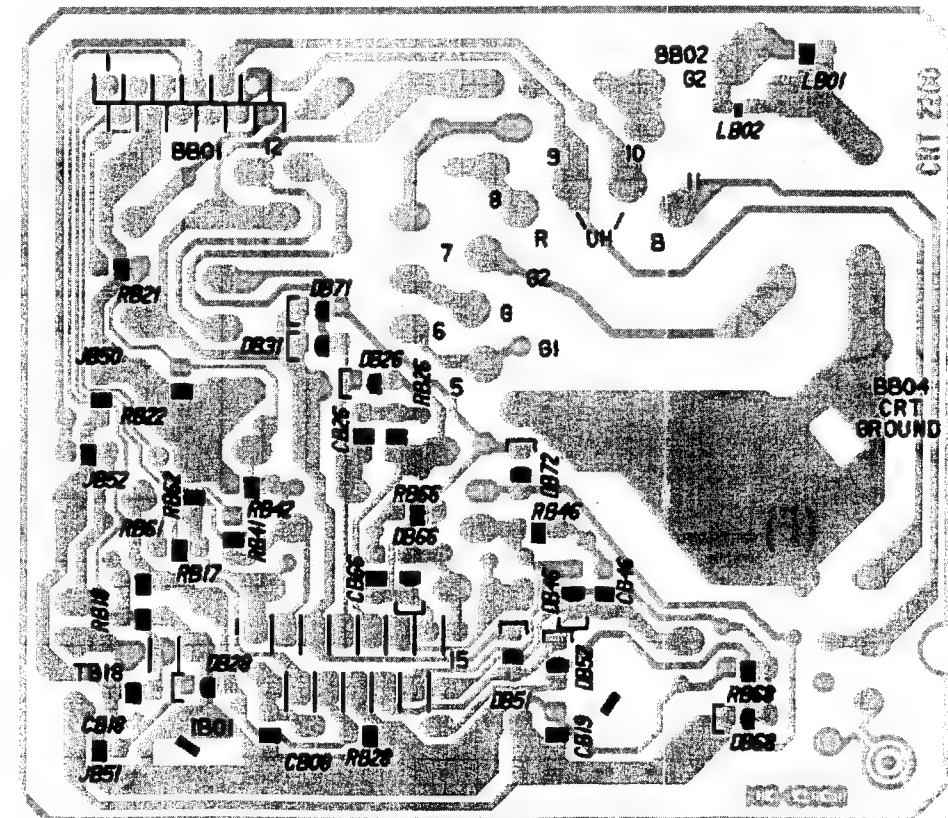
VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE  
PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

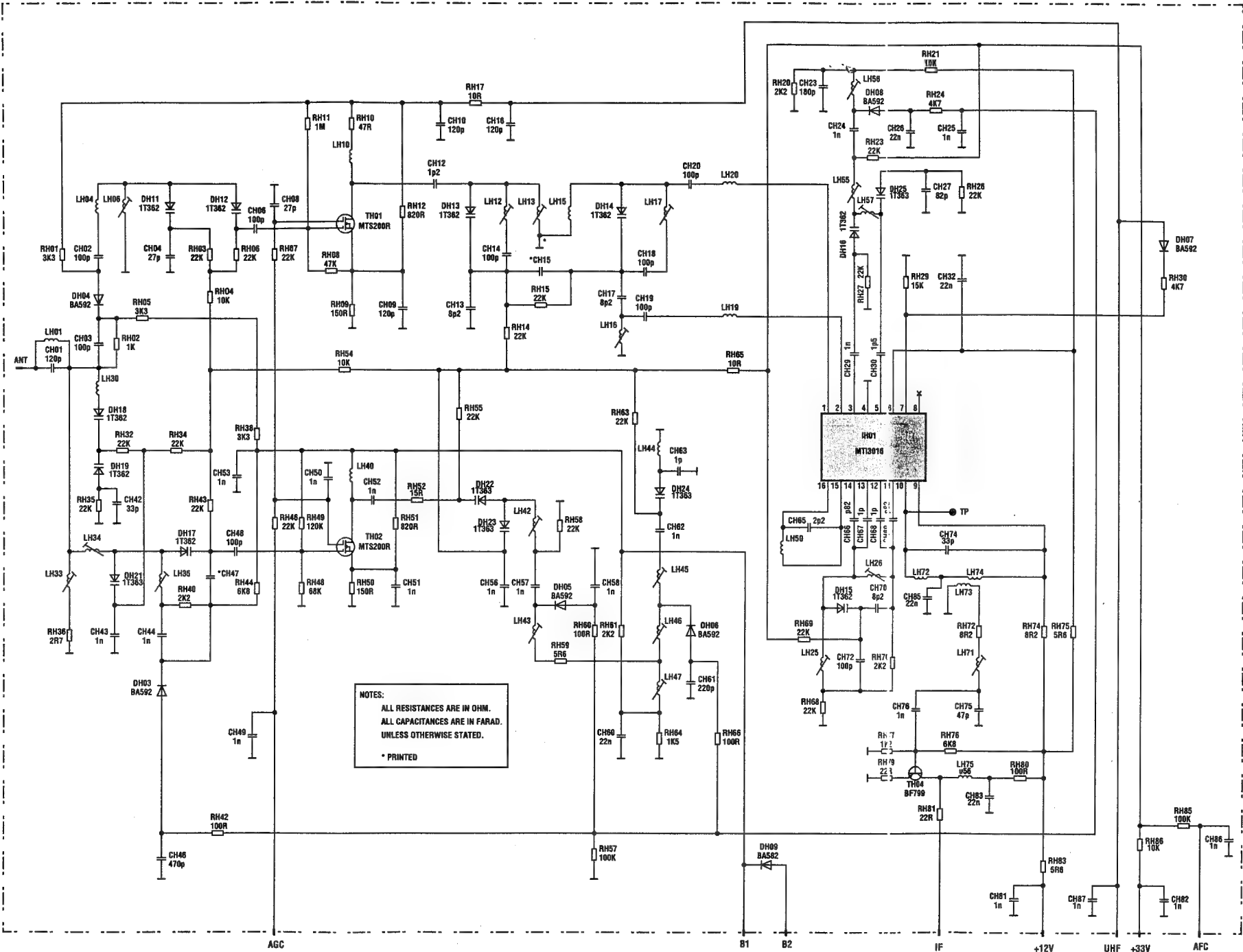
VHF / UH

COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES

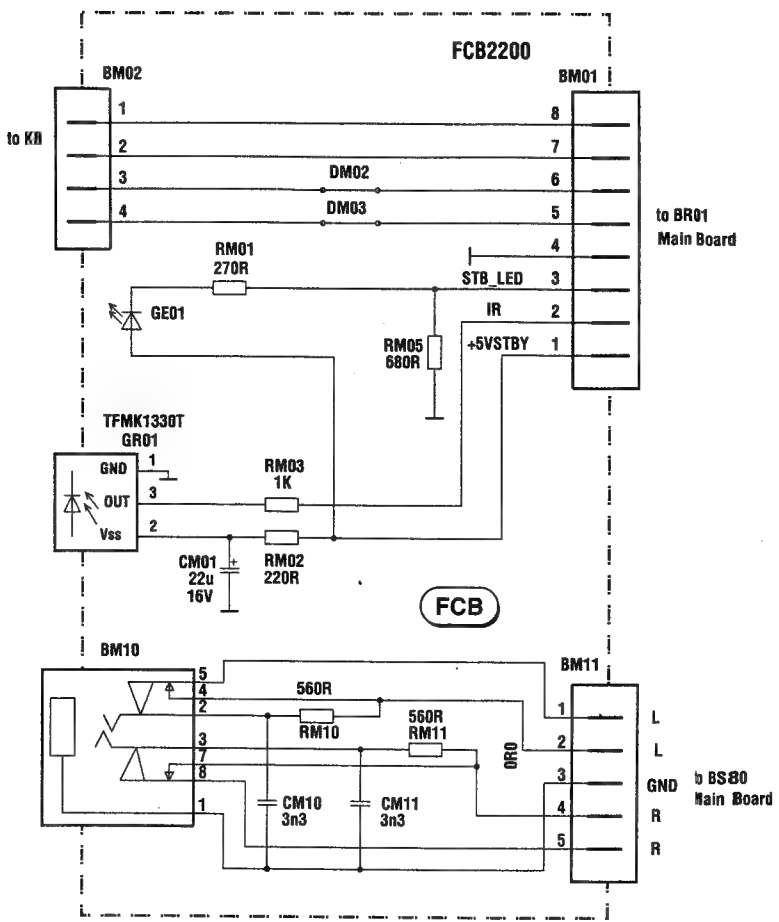


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

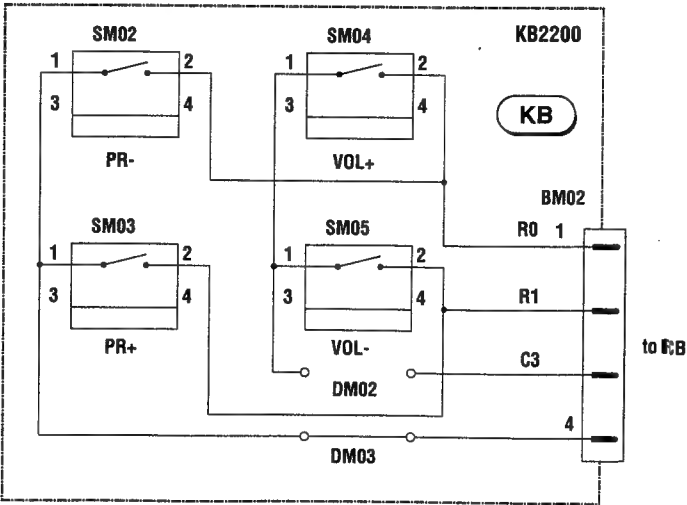




FRONT CONNECTOR BOARD -  
MODULE PRISE ET INTERCONNEXION DU CLAVIER  
FRONTANSCHLUSSPLATTE -  
PIASTRA CONNESSIONE FRONTALE  
- PLÁTINA MANDOS FRONTAL



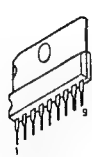
KEYBOARD MODULE - PLATINE CLAVIER -  
TASTATURPLATTE -PIASTRA COMANDI -  
PLATINA TECLADO



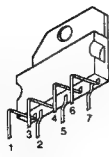


## FCB2200

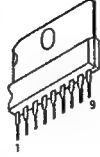
# INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR CIRCUITOS INTEGRADOS Y TRANSISTORES



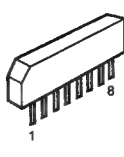
TDA 8139



TDA 8177



TEA 5101B



SDA 9187  
SDA 9188



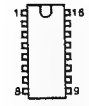
4N25TV



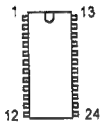
TDA4605  
ST24C04-B1



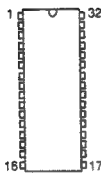
STV2180



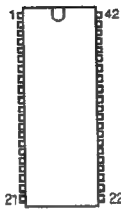
STV2145



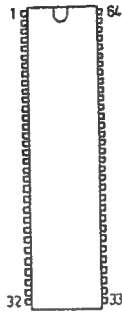
TDA 7263



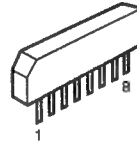
TDA9811



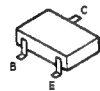
TDA9811



MPS3400  
MPS3410



LA7221



BC 847B  
BC 858 B/C  
BC 848 A/B/C  
BF 771



BF 422  
BF423



BC 337  
BC 548B  
BC 558B



BP 681



BUH 517 TH



7805  
7812



BT806 -600C



STP6 NA60F1

Pos.	Art-Nr Part No. Code	Bezeichnung	Part	Désignation
		<b>MODULE/AUSTAUSCHTEILE:</b>	<b>EXCHANGE PARTS:</b>	<b>PLATINE:</b>
CRT TX92	103.520.20	CRT TX92 BILDROHRANSCHLUSS	CRT TX92 PCB CRT	CRT TX92 PLATINE TUBE
MTM4045	202.483.90	MTM4045 TUNER	MTM4045 TUNER	MTM4045 TUNER
		<b>CHASSIS-TEILE</b>	<b>CHASSIS PARTS</b>	<b>CHASSIS-PARTIE</b>
BB01	260.789	Stiftleiste 12polig, MICS 12	Contact strip, 12-pole, black	Connecteur male, 12 broches
BB05	249.769	Bildrohrfassung, 10-polig	Cathode ray tube socket	Support tube cathodique
BL01A	102.381.10	Halter Netzleitung (auf Ltp.)	Holder	Support
BP01A	102.381.10	Halter Netzleitung (auf Ltp.)	Holder	Support
BR01	266.862	Stiftleiste 8pol MICS08 SW	8 pin wafer, black	Barrette de contact, 8, noir
BS80	243.597	Stiftleiste, 5polig, UF	Contact strip, 5-pole	Connecteur male, 5 broches
BS90	239.037	Stiftleiste 2polig, rot UF	2 pin contact housing, red	Culot a 2 broches, rouge
BS91	239.038	Stiftleiste 2polig, grün UF	2 pin contact housing, green	Culot a 2 broches, vert
BV01	260.789	Stiftleiste 12polig, MICS 12	Contact strip, 12-pole, black	Connecteur male, 12 broches
BX01	309.651.034	Buchse, Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX02	309.651.034	Buchse, Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX50	309.650.092	Stiftleiste, 4polig Liegend	Contact strip, 4-pole	Connecteur male, 4 broches
CB01	309.441.641	10NF 3KV Keramik-Kondensator	10NF 3KV C cap	10NF 3KV C ceramique
CB03	100.608.30	1U0F 250V 20% Elko	1U0F 250V 20% E cap	1U0F 250V 20% C chimique
CB06	276.029	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CB09	266.247	100PF 1KV 20% Keramik-Kondensator	100PF 1KV 20% C cap	100PF 1kv 20% C ceramique
CL07	140.358.70	0U01F 400V 5% Kondensator	0U01F 400V 5% Capacitor	0U01F 400V 5% Condensateur
CL10	266.243	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap	330PF 1kv 10% CC
CL11	239.322	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CL14	266.243	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap	330PF 1kv 10% CC
CL21	100.427.50	14N4F 1K6V 3,5% Filmkondensator	14N4F 1K6V 3,5% Film cap	14N4F 1K6V 3,5% Condensateur
CL22	102.635.40	27N0F 400V 5% Filmkondensator	27N0F 400V 5% Film cap	27N0F 400V 5% Condensateur
CL25	256.712	1U5F 160V 10% Filmkondensator	1U5F 160V 10% Film cap	1U5F 160V 10% Condensateur film
CL26	100.608.30	1U0F 250V 20% Elko	1U0F 250V 20% E cap	1U0F 250V 20% C chimique
CL44	101.220.40	4U7F 160V 20% Elko	4U7F 160V 20% E cap	4U7F 160V 20% C chimique
CP01	103.139.00	0U1F 275V 20% Kondensator	0U1F 275V 20% MPoly cap	0U1F 275V 20% C MP
CP02	103.139.00	0U1F 275V 20% Kondensator	0U1F 275V 20% MPoly cap	0U1F 275V 20% C MP
CP07	100.587.40	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP08	309.442.972	1N5F 1KV Keramik-Kondensator	1N5F 1KV C cap	1N5F 1KV C ceramique
CP09	100.587.40	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP11	309.418.404	150UF 385V Elko	150UF 385V E cap	150UF 385V CC
CP13	339.590.226	1500PF 1KV Kondensator	1500PF 1KV Cap	1500PF 1KV Condensateur
CP21	238.266	330PF 400V 20% Keramik-Kondensator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
CP24	238.266	330PF 400V 20% Keramik-Kondensator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
CP49	309.440.686	1NF 400V 20% Keramik-Kondensator	1NF 400V 20% C capacitor	1NF 400V 20% Condensateur
CP51	309.442.975	470PF 2KV Keramik-Kondensator	470PF 2KV C cap	470PF 2kv CC
CP52	102.441.20	100UF 200V 20% Elko	100UF 200V 20% E cap	100UF 200V 20% CC
CP53	238.266	330PF 400V 20% Keramik-Kondensator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
DB01	704.023.51	BZT03/D150 Diode	BZT03/D150 Diode	BZT03/D150 Diode
DB04	464.612	1N4004 Diode	1N4004 Diode	1N4004 Diode



Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DB07	309.325.951	1N4001 Diode	1N4001 Diode	1N4001 Diode
DB26	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB28	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB31	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB32	462.299	BAV21 Diode	BAV21 Diode	BAV21 Diode
DB46	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB48	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DB51	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB52	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB66	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB71	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB72	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DF01	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DF02	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF07	160.300.60	ZMM15 Z-Diode SMD	ZMM15 Z-Diode	ZMM15 Z-Diode
DF11	103.518.80	P4KE56A Z-Diode	P4KE56A Z-Diode	P4KE56A Z-Diode
DF30	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DF31	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DH01	353.111.2001	ZTK33C IC	ZTK33C IC	ZTK33C CI
DH02	243.375	BZX55B13V Z-Diode	BZX55B13V Z-Diode	BZX55B13V Z-Diode
DI01	309.325.201	BA582 Diode SMD	BA582 Diode	BA582 Diode
DI51	309.325.201	BA582 Diode SMD	BA582 Diode	BA582 Diode
DL06	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DL07	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DL08	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL11	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL12	266.534	BY397 Diode	BY397 Diode	BY397 Diode
DL13	266.534	BY397 Diode	BY397 Diode	BY397 Diode
DL15	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL21	276.169	BY228 Diode	BY228 Diode	BY228 Diode
DL22	266.280	BYW76 Diode	BYW76 Diode	BYW76 Diode
DL25	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL26	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL34	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL38	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL41	462.299	BAV21 Diode	BAV21 Diode	BAV21 Diode
DL60	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL61	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DL62	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DL63	339.529.957	ZPD24 Z-Diode	ZPD24 Z-Diode	ZPD24 Z-Diode
DP06	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP07	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP08	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP09	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP13	490.007.4145	MUR160 Diode	MUR160 Diode	MUR160 Diode
DP17	266.939	ZPD15V Z-Diode	ZPD15V Z-Diode	ZPD15V Z-Diode
DP21	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP22	110.736.70	BZX55C11 Z-Diode	BZX55C11 Z-Diode	BZX55C11 Z-Diode
DP23	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP24	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP32	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP40	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP41	309.327.124	ZPD2,7, Z-Diode	ZPD2,7, Z-Diode	ZPD2,7, Z-Diode
DP44	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP45	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP50	464.449	BA159 Diode	BA159 Diode	BA159 Diode
DP51	160.085.60	BY399S Diode	BY399S Diode	BY399S Diode

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DP53	309.325.087	BY297 Diode	BY297 Diode	BY297 Diode
DP54	309.325.951	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP55	160.089.00	BYV10-20 Diode	BYV10-20 Diode	BYV10-20 Diode
DP61	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR03	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DS10	309.325.104	BZX85C8V2 Diode	BZX85C8V2 Diode	BZX85C8V2 Diode
DS40	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DS41	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DT01	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT02	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT03	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT04	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV03	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DX13	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
FI01	103.192.60	38M9HZ Filter LA7x7	38M9HZ Filter	38M9HZ Filtre
FI02	103.192.60	38M9HZ Filter LA7x7	38M9HZ Filter	38M9HZ Filtre
FI10	102.294.20	OFWG3967M Oberflächenwellenfilter	Surface acoustic wave filter	Filtre a onde de surface
FI20	101.764.50	OFWK9453M Oberflächenwellenfilter	Surface acoustic wave filter	Filtre a onde de surface
FI30	103.384.60	77M8HZ Filter LA7x7	77M8HZ Filter	77M8HZ Filtre
FI40	103.193.50	6M6HZ Filter LA7x7	6M6HZ Filter	6M6HZ Filtre
FP01	309.627.916	2,5AT 250V Sicherung	2,5A Fuse	2,5A Fusible
IB01	102.314.40	TEA5101B IC	TEA5101B IC	TEA5101B CI
IB01C	261.825	Montageclip 1	Clip 1	Agrafe 1
IC01	201.669.90	STV2180 IC	STV2180 IC	STV2180 CI
IF01	150.534.40	TDA8177 IC	TDA8177 IC	TDA8177 CI
IF01B	252.593	Silikonscheibe	Silicon plate	Rondelle silicone
IF01C	261.827	Montageclip	Clip	Agrafe
IF02	102.645.10	STV2145 IC	STV2145 IC	STV2145 CI
II50	102.878.30	TDA9811/V1 IC	TDA9811/V1 IC	TDA9811/V1 CI
IP01	101.617.50	TDA4605 IC	TDA4605 IC	TDA4605 CI
IP50	276.680	MC7812CT IC	IC, MC7812CT	CI, MC7812CT
IP60	103.373.70	4N25TV Fotokoppler	4N25TV Photo couplers	4N25TV Photo coupleur
IP70	309.368.734	TDA8139 IC	TDA8139 IC	TDA8139 IC
IP70C	309.903.844	Montageclip	Clip metal	Agrafe
IP80	309.368.470	UA7805CSP/MC7805 IC	UA7805CSP IC	UA7805CSP CI
IP80C	261.827	Montageclip	Clip	Agrafe
IR01	103.421.60	ST9291J7B1 IC prog. o. S.	ST9291J7B1 IC	ST9291J7B1 CI
IR01	300.496.10	ST9291J7B1 IC prog. m. S.	ST9291J7B1 IC	ST9291J7B1 CI
IR01A	309.689.966	42polig IC-Fassung	IC socket 42pole	Support CI 42 voies
IR02	490.008.0378	ST24C04/B1 IC	ST24C04/B1 IC	ST24C04/B1 CI
IS40	101.810.00	MSP3410-TC15/24 IC	MSP3410-TC15/24 IC	MSP3410-TC15/24 CI
IS40	103.191.70	MSP3400C IC	MSP3400C IC	MSP3400C CI
IS80	102.811.50	TDA7263 IC	TDA7263 IC	TDA7263 CI
IS80C	102.954.80	Montageclip 4	Clip 4	Agrafe 4
IT01	102.588.10	SAA5281ZP/E IC	SAA5281ZP/E IC	SAA5281ZP/E CI
IV01	201.658.10	STV2118 IC	STV2118 IC	STV2118 CI

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
IX01	309.368.592	LA7221 IC	LA7221 IC	LA7221 CI
LB01.	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LC01	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LC02	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LF45	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LI50	339.349.718	27UH Spule	27UH Coil	27UH Self
LL05	103.194.10 S	Diodensplit-Trafo M30	Diode split transformer	Transformateur THT
LL10	100.626.10	18U 10% Drossel	18U 10% Choke coil	18U 10% Self
LL19	309.309.992 S	Treibertransformator	Driver transformer	Transformateur
LL22	100.950.60 S	Kombi-Spule	Combi coil	Bobine
LL26	508.732.54 S	30U5H Spule, H-Linearität	30U5H H-Linearity coil	30U5H Bobine linearite
LP01	102.615.30 S	60MIH Filter TF-Mains	Line filter	Self de filtrage
LP16	103.027.20 S	Trafo Schaltnetzteil SMT4	Switched mode power transformer	Transformateur d'alimentation
LR02	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LR26	150.401.10	3U3H 10% Drossel	3U3H 10% Choke coil	3U3H 10% Self
LR28	150.401.10	3U3H 10% Drossel	3U3H 10% Choke coil	3U3H 10% Self
LS10	309.250.052	4U7H Drossel	4U7H Choke coil	4U7H Self
LS25	246.995	4U7H 10% Drossel	4U7H 10% Choke coil	4U7H 10% Self
LS40	130.919.50	15UH 10% Drossel	15UH 10% Choke coil	15UH 10% Self
LS41	130.919.50	15UH 10% Drossel	15UH 10% Choke coil	15UH 10% Self
LV16	266.408	10UH Drossel	10UH Choke coil	10UH Self
LV17	266.408	10UH Drossel	10UH Choke coil	10UH Self
LV18	266.408	10UH Drossel	10UH Choke coil	10UH Self
LX41	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
PI50	339.509.716	22KR 30% Trimmwiderstand	22KR 30% Trimmer resistor	22KR 30% Resistance adjustable
PP66	339.509.703	4K7 Potentiometer	4K7 Potentiometer	4K7 Potentiometre
QC01	100.877.10	4M433619 HZ Quarz	4M433619HZ Crystal	4M433619HZ Quartz
QC02	100.877.20	3M579545HZ Quarz	3M579545HZ Crystal	3M579545HZ Quartz
QR01	309.335.731	8M0HZ Quarz	8M0HZ Crystal	8M0HZ Quartz
QS40	103.346.70	18M432HZ Quarz	18M432HZ Crystal	18M432HZ Quartz
QS40	242.224	18M432HZ Quarz	18M432HZ Crystal	18M432HZ Quartz
QT01	102.541.20	27MHZ Quarz	27MHZ Crystal	27MHZ Quartz
QV01	309.160.840	CSB503B Keramikfilter	CSB503B Ceramic filter	CSB503B Filtre ceramica
RB01	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RB04	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RB16	266.672 S	2K2R 0,3W 5% Sicherheitswiderstand	2K2R 0,3W 5% Fusible resistor	2K2R 0,3W 5% Résistance fusible
RB24	804.362.30	82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB31	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RB44	804.362.30	82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB51	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RB64	804.362.30	82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB71	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RC04	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible



Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
TP22	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TP40	102.599.10	BTB06-600C TRIAC Transistor	BTB06-600C TRIAC Transistor	BTB06-600C TRIAC Transistor
TP48	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TP60	309.001.226	BC558B Transistor	BC558B Transistor	BC558B Transistor
TP61	309.001.226	BC558B Transistor	BC558B Transistor	BC558B Transistor
TP91	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP96	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR01	242.013	BC848C Transistor, SMD	BC848C Transistor, SMD	BC848C Transistor, SMD
TR02	242.013	BC848C Transistor, SMD	BC848C Transistor, SMD	BC848C Transistor, SMD
TS20	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TS81	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TS90	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TT01	242.013	BC848C Transistor, SMD	BC848C Transistor, SMD	BC848C Transistor, SMD
TV62	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TX10	309.001.293	BC548B Transistor	BC548B Transistor	BC548B Transistor
TX30	309.001.226	BC558B Transistor	BC558B Transistor	BC558B Transistor
TX31	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
-	309.699.432	Hochspannungskabel Anode	High tension cable	D'energie haute tension
-	309.699.434	Fokuskabel dünn 460mm	Focus cable 460mm	Cable focus 460mm
-	100.005.80	Halter PSB	Holder PSB	Support PSB
-	102.997.70	Klemmstück	Guide Wire	Guide Cable
-	246.545	Schutzkappe 4,3 Spannungskabel	Protection cap for high voltage cable	Capot plastique
-	251.200.40	Chassisrahmen	Chassis frame	Chassis plastique

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
RF11	309.580.973 S	1R5 0,5W 5% Sicherheitswiderstand	1R5 0,5W 5% Fusible resistor	1R5 0,5W 5% Resistance fusible
RF12	309.530.698	1R 0,7W 5% Metalloxydwiderstand	1R 0,7W 5% Metal oxide resistor	1R 0,7W 5% Resistance metallique
RF15	108.833.00 S	10R 0,5W 5% Sicherheitswiderstand	10R 0,5W 5% Fusible resistor	10R 0,5W 5% Résistance fusible
RF20	102.337.20	220R 0,7W 1% Metallfilmwiderstand	220R 0,7W 1% Metal film resistor	220R 0,7W 1% Resistance metall.
RH01	130.015.40	22KR 2W 5% Metalloxydwiderstand	22KR 2W 5% Metal oxide resistor	22KR 2W 5% Resistance metallique
RL10	102.332.20	47R 0,5W 5% Widerstand	47R 0,5W 5% Resistor agglom.	47R 0,5W 5% Resistance
RL11	309.580.969 S	15R 0,5W 5% Sicherheitswiderstand	15R 0,5W 5% Fusible resistor	15R 0,5W 5% Resistance fusible
RL12	243.800 S	2R2 0,5W 5% Sicherheitswiderstand	2R2 0,5W 5% Fusible resistor	2R2 0,5W 5% Résistance fusible
RL13	130.501.70 S	0R270 0,7W +5% Sicherheitswiderstand	0R270 0,7W +5% Fusible resistor	0R270 0,7W +5% Resistance fusible
RL25	600.226.00 S	10KR 0,5W 5% Sicherheitswiderstand NB	10KR 0,5W 5% Fusible resistor	10KR 0,5W 5% Résistance fusible
RL26	309.580.952 S	1KR 0,5W 10% Sicherheitswiderstand	1KR 0,5W 10% Fusible resistor	1KR 0,5W 10% Resistance fusible
RL31	309.580.990 S	8R2 0,3W 5% Sicherheitswiderstand	8R2 0,3W 5% Fusible resistor	8R2 0,3W 5% Résistance fusible
RL32	309.536.940	33R 2W 5% Metalloxydwiderstand	33R 2W 5% Metal oxide resistor	33R 2W 5% Resistance metallique
RL47	411.198.02 S	3R3 0,35W 5% Sicherheitswiderstand	3R3 0,35W 5% Fusible resistor	3R3 0,35W 5% Résistance fusible
RL90	004.114.2109	432KR 0,4W 1% Metallfilmwiderstand	432KR 0,4W 1% Metal film resistor	432KR 0,4W 1% Resistance metall.
RP01	102.838.40	2R7 2,5W 5% Drahtwiderstand	2R7 2,5W 5% Wire resistor	2R7 2,5W 5% Resistance bobine
RP02	309.540.641	470KR 0,7W 5% Schichtwiderstand	470KR 0,7W 5% Film resistor	470KR 0,7W 5% Resist. a couche
RP03	309.580.952	25R PTC-Widerstand	25R PTC resistor	25R Resistance CTP
RP10	490.008.0173	220KR 0,4W 1% Metallfilmwiderstand	220KR 0,4W 1% Metal film resistor	220KR 0,4W 1% Resistance metall.
RP11	490.008.0173	220KR 0,4W 1% Metallfilmwiderstand	220KR 0,4W 1% Metal film resistor	220KR 0,4W 1% Resistance metall.
RP12	490.008.0173	220KR 0,4W 1% Metallfilmwiderstand	220KR 0,4W 1% Metal film resistor	220KR 0,4W 1% Resistance metall.
RP13	100.092.80	270R 5W 5% Drahtwiderstand	270R 5W 5% Wire resistor	270R 5W 5% Resistance bobine
RP32	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RP40	339.537.717 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Résistance fusible
RP49	406.517	10MR 0,7W 5% Schichtwiderstand	10MR 0,7W 5% Film resistor	10MR 0,7W 5% Resist. a couche
RP50	309.556.316	150R 3W 5% Drahtwiderstand	150R 3W 5% Wire resistor	150R 3W 5% Resistance bobine
RS12	309.533.636 S	18R 0,3W 5% Sicherheitswiderstand	18R 0,3W 5% Fusible resistor	18R 0,3W 5% Resistance fusible
RS87	400.164 S	4R7 0,3W 5% Sicherheitswiderstand	4R7 0,3W 5% Fusible resistor	4R7 0,3W 5% Résistance fusible
RS88	400.164 S	4R7 0,3W 5% Sicherheitswiderstand	4R7 0,3W 5% Fusible resistor	4R7 0,3W 5% Résistance fusible
RX14	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX32	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
TB18	309.001.226	BC558B Transistor	BC558B Transistor	BC558B Transistor
TF29	309.001.293	BC548B Transistor	BC548B Transistor	BC548B Transistor
TH01	249.063	BC847B Transistor SMD	BC847B Transistor	BC847B Transistor
TH02	242.012	BC858/C Transistor SMD	BC858/C Transistor	BC858/C Transistor
TH03	242.012	BC858/C Transistor SMD	BC858/C Transistor	BC858/C Transistor
TH04	242.012	BC858/C Transistor SMD	BC858/C Transistor	BC858/C Transistor
TH05	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TI10	339.553.077	DTC144EK Transistor	DTC144EK Transistor	DTC144EK Transistor
TI20	905.613.25	BF771 Transistor SMD	BF771 Transistor	BF771 Transistor
TI70	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL19	309.001.371	BUH517TH Transistor	BUH517TH Transistor	BUH517TH Transistor
TL19C	261.825	Montageclip 1	Clip 1	Agrafe 1
TL30	309.001.293	BC548B Transistor	BC548B Transistor	BC548B Transistor
TL31	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TL41	450.493.00	BD681 Transistor	BD681 Transistor	BD681 Transistor
TL41B	252.593	Silikonscheibe	Silicon plate	Rondelle silicone
TL41C	703.966.00	Montageclip	Clip	Agrafe
TL60	309.001.293	BC548B Transistor	BC548B Transistor	BC548B Transistor
TP16	102.375.50	STP6NA60FI Trans.PWR-SWITCH	STP6NA60FI Trans.PWR-SWITCH	STP6NA60FI Trans.PWR-SWITCH
TP16C	261.827	Montageclip	Clip	Agrafe

## ABBREVIATIONS - ABREVIATIONS - ABKÜRZUNGEN - ABBREVIAZIONI - ABREVIACIONES

● AF	AUDIO FREQUENCY FREQUENCE AUDIO
● BCL	BEAM CURRENT INFORMATION INFORMATION COURANT DE FAISCEAU
● BU	TUNER UHF BAND CONTROL OUTPUT SELECTION DE LA BANDE UHF DU TUNER
● BI	TUNER BAND 1 CONTROL OUTPUT SELECTION DE LA BANDE I
● BIII	TUNER BAND 3 CONTROL OUTPUT SELECTION DE LA BANDE 3
● CVBS	COMPOSITE VIDEO / LUMINANCE SIGNAL SIGNAL VIDEO COMPOSITE
● DEGAUSS	DEGAUSS SIGNAL SIGNAL DE COMMANDE DE DEMAGNETISATION
● EWDRIVE	DRIVE SIGNAL FOR EAST-WEST CORRECTION SIGNAL DE COMMANDE CORRECTION EST-OUEST
● EWSENSE	FEED BACK SIGNAL OF EAST-WEST CORRECTION SIGNAL DE CONTRE-REACTION EST-OUEST
● FORMAT	COMMAND USED TO CHANGE THE PICTURE FORMAT COMMANDE UTILISEE POUR CHANGER LE FORMAT
● FB	FAST BLANKING COMMUTATION RAPIDE
● HDRV	HORIZONTAL DEFLECTION SIGNAL SIGNAL DE COMMANDE DE BALAYAGE HORIZONTAL
● + H	POSITION FLY BACK PULSE IMPULSION DE RETOUR LIGNE DE REFERENCE
● HEATER	HEATER VOLTAGE TENSION DE FILAMENT
● I-CUT	CUTOFF CURRENT COURANT DE CUTOFF
● IR	DATA FROM INFRARED RECEIVER DONNEES ISSUES DU RECEPTEUR INFRAROUGE
● S	VERTICAL S - CORRECTION CORRECTION S VERTICALE
● SAFETY	SIGNAL FOR DETECT. OF ERRORS ON THE DEFLEC.PART SIGNAL DE DETECT. D'ERREURS PARTIE DEFLECTION
● SCL	SERIAL CLOCK SIGNAL HORLOGE SERIE
● SDA	SERIAL DATA DONNEE SERIE
● SIF	SOUND IF FI SON
● VTUNE	TUNING VOLTAGE TENSION DU TUNER
● VSYNC	VERTICAL DEFLECTION SIGNAL SIGNAL DE COMMANDE BALAYAGE VERTICAL